"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-005120004-5 CIA-RDP86-005120004-5 CIA-RDP86-005120004-5 CIA-RDP86-005120004-5 CIA-RDP86-00512

Typological characteristics of the higher nervous activity of dogs during changes in the barometric pressure. Funk. org. v usl. imm. gaz. sredy 3:156-162 '64. (MIRA 17:11)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

ZVORYKIN, V.N.; KORESHKOV, A.A.; MAL'KOV, P.A.

Reflex influences from the mechanoreceptors of the gastrointestinal tract on breathing and the cardiovascular system during barcmetric pressure drops. Funk. org. v usl. izm. gaz. sredy 3:242-251 '64. (MIRA 17:31)

Certain peculiarities of proximal subcortex of the acoustic analysor; comparative anatomical study in mammals. Arkh. anat.. Hoskva 29 no.2: 10-17 Mar-Apr 1952. (CIML 23:2)

1. Of the Scientific-Research Institute of the Brain (Director -- S. A. Sarkiosov, Active Member of the Academy of Medical Sciences USSR), Ministry of Public Health USSR.

- "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5"
- 2. USR (600)
- 4. Embryology, Human
- 7. Problem of shifting of the courpus geniculatum mediale in the course of its development, Arkhiv. anat. gist. i embr., 29, No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

ZVCRX#PANyEDFOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

Nervous System

A. I. Tyshetskiy and the discovery of the excitability of the central nervous system. Zhur. nevr. i psikh. 52, No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 195, 1965, Uncl.

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
CIA-RDP86-00513R002065720004-5
CIA-RDP86-00513R002065720004-5
ZYORYKIN, V.P.; SHKOL'NIK-TARROS, Ye. G.

Numerical data on the relationship of the peripheral part of the visual analysor to cerebral ends of the analysors in a number of vertibrates.

Arkh. anat., Moskva 30 no.5:43-47 Sept-Oct 195). (CIMI 25:4)

1. Of the Institute of the Brain (Director -- Prof. S. A. Sarkisov, Active Member AMS USSR), Ministry of Public Health USSR.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

Corpus geniculatum internum and acuity of hearing. Arch, anat.gist.1 embr. 31 no.1:22-35 Ja-Mr '54. (MLRA 7:4)

1. Iz Instituta mozga Ministerstva zdravookhraneniya SSSR (direktor - deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR professor S.A. Sarkisov).

(Optic thalamis) (Hearing)

CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5" FD-2796 Card 1/1 Pub 154-17/19 Author Zvorykin, V. P. Towards the question of the discovery of the excitability Title of the central nervous system Zhur. vys. nerv. deyat. 5, 292-298, Mar-Apr 1955 Periodical Presents data supporting the view that priority for dis-Abstract covery of the excitability of the C. N. S. is due to the 19th-century Russian physician, A. I. Tyshetskiy, Photograph. Eleven references, all USSR (5 since 1940). Institute of the Brain of the Academy of Medical Sciences Institution USSR Submitted

Mervous System. Central Nervous System.

Abs Jour

: Ref Zhur - Biol., No 18, 1958, No 83634

Author Inst

: Not given

Title

al seed of seeding : Morphological Bases of Differences in Auditory Acuity in the Dog and the Monkey.

Orig Pub

Contract of the state of

Abstract

: Uspekhi sovrem. biol. 1957, 44, No 3, 349-361. : In a series of microscopic sections, sthined with cresylviolet, a study was made of the subcortical auricular formations in the dog (D), brain weight 95 g., and in the Mangoby monkey (M), brain weight 95 g. The total volume of all subcortical formations proved to be significantly greater in D than in M. The results of the measurements (in mm3) were: auditory tubercle - in D, 4.01, in M, 0.53; ventral auditory nucleus: in D, 8.19, in M, 2.58; superior olivary body:

Card 1/2

AUTHORS:

25-2-11/43

Zvorykin, V.P. and Glezer, I.I., Scientific Workers of the Brain Research Institute of the Academy of Medical Sciences

TITLE:

An Erroneous Hypothesis (Oshibochnaya gipoteza)

PERIODICAL: Nauka i Zhizn', 1958, # 2, p 42-44 (USSR)

ABSTRACT:

In this article the author strongly criticizes and refutes the hypothesis advanced by the Polish anthropologist, A. Vertsinskiy, who believes that urbanization will result into physiological degeneration.

There is one sketch.

ASSOCIATION: Brain Research Institute of the Academy of Medical Sciences of the USSR (Institut mozga Akademii meditsinskikh nauk SSSR)

AVAILABLE:

Library of Congress

Card 1/1

"APPROVERFEER LEASE Plants 1 Mo September 26, 2002 CIA-RDP86-00513R002065720004-5
APPROVED FOR RELEASE Thursday, SEPTEMBER 26, 2002 CIA-RDP86-00513R002065720004-5
APPROVED FOR RELEASE THURSDAY CIA-RDP86-00513R00206571009-5" SPIROV, M.S. (Xiyov, 14-).

Conference of the Brain Institute of the Academy of Medical Sciences of the U.S.S.R. devoted to problems in the structure and function of the reticular formation and its place in the analysor system.

Arkh.anat.,gist. i embr. 35 no.5:121-124 S-0 158 (MIRA 11:12)

ZYUNIN III APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

"Morfologieheskaya perestroyka slukhovogo znalizatora, svyazannaya s sukheniem diapazona vosprinimayemykh zvukov u primatov."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences, Moscow, 3-10 Aug 64.

Morphological bases for the unequal role of the auditory and optical analysors in the behavior of dogs and monkeys. Arkh. anat. gist. i embr. 41 no.7:28-37 Jl '61. (MIRA 15:2)

l. Laboratoriya tsitoarkhitektoniki (zav. - zasluzhennyy deyatel' nauki, prof. Ye.P.Kononova) Instituta mozga ANN SSSR. (VISION) (HEARING) (CEREBRAL CORTEX)

"APPENVED RELEASE, Thursday, September 26, 2002
APPENVED EDIC RELEASE, THURSDAY, SEPTEMBER 2002
APPENVED EDIC RELEASE, SEPTEMB

Biomorphological comparison of the systems of subcoritcal formation of visual and auditory analyzer in dogs. Arkh.anat.gist.i embr. (MIRA 14:5)

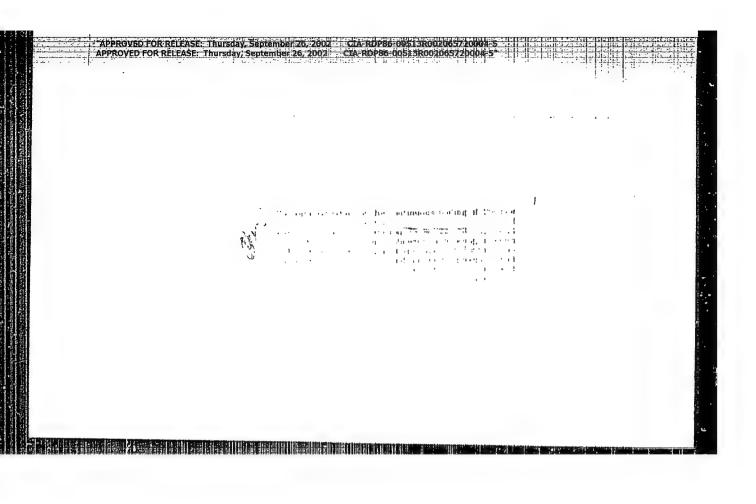
l. Laboratoriya tsitoarkhtektoniki (zav. - zasluzhennyy deyatel' nauki doktor meditsinskikh nauk prof. Ye.P.Konohova) Instituta

(BRAIN-LOCALIZATION OF FUNCTIONS)
(VISION) (HEARING)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 Y CIA-RDP86-00513R002065720004-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5"

"The Reaction of the Bladder and Intestines to Hypoxia of the Organism," Voprosy fiziol. interots., No. 1, pp 37-49, 1952.

Summary of report -D 356476



Increasing the operative efficiency of the FKS and KSA dryers. Kons. 1 ov.prom. 18 no.4:13-15 Ap 163. (MIRA 16:3)

1. Upravleniye "Kiyevenergonaladka". (Drying apparatus) "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R0020606004-5 CIA-RDP86-00513R00206004-5 CIA-RDP86-005100004-5 CIA-RDP86-005100004-5 CIA-RDP86-005100004-5 CIA-RDP86-005100004-5 CIA-RDP86-005100004-5 CIA-RDP86-

Steam expenditure in the production of alcohol from molasses and in the processing of baker's yeast. Spirt. prom. 28 no.6: 29-33 '62. (MIRA 16:1)

1. Kiyevskiy tekimologicheskiy institut pishchevoy promyshlemnosti im. Mikoyana (for Yuditskiy). 2. Upravleniye "Kiyevenergonaladka" (for Zvorykin, Anpilov).

(Distilling industries-Costs)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

ZVORYKIN, V.V.; ANPILOV, G.D.

Steam, air and water consumption in the Plakhtyanka and Nemeshayev plants of antibiotic feeds. Spirt. prom. 28 no.6:25-29 '62.

(MIRA 16:10)

1. Kiyevenergonaladka.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5" ZVORYKIN, V.V.

Automatic control of continuous cooking of raw materials. prom. 22 no.2:19-21 '56. Spirt. (MLRA 9:8)

1. Kiyevakoye upravleniye Orgprodenergo. (Distilling industries -- Equipment and supplies)
(Automatic control) ZVONY RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

0ak

Differences in the development of vegetation in stands of early and late form of cak. Dokl. AN SSSR 83 no. 1, 1952

MLRA, Library of Congress, August, 1952, UMCLASSIFIED.

*APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5"

Oak

Differences in the development of vegetation in stands of early and late form of oak. Dokl. AN SSSR 83 no. 1, 1952

SO: Monthly List of Russian Accessions, Library of Congress,

August

195%. Uncl.

- 2. USSRPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
- 4. Oak
- 7. Differences in the development of vegetation in plantation of early and late oaks. Dokl. AN SSSR 84 No. 1, 1952. rcd. 28 Feb. 1952
- 9. Monthly List of Russian Accessions, Library of Congress, September 1952. Unclassified.

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
Forestry and Forest Typology Importance of Underbrush in the Cak
Approved For Release: Thursday, September 26, 2002
Forests of the Northwestern Caucasus."
Sub 30 May 51, Inst of Forestry,

Dissertations presented for science and engineering degrees in Moscow during 1951.

so: Sum. No. 480, 9 May 55

"APPROVED FOR RELEASE: Thursday, 6estember 26, 2002 CIA-RDP86-00513R002065720004-5"
APPROVED FOR RELEASE: Thursday, 5estember 26, 2002 CIA-RDP86-00513R002065720004-5"

Recharism of copper dissolution in hydrochleric acid. Trudy 1x khim. takh. no. 1:32-35 64.

Mechanism of eiler dissolution in hydrochloric actd.
[MIRA 18:12)

1, Lubmicted Gestember 23, 1963.

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43910

Author /: Zvorykina, K. V.

Inst : Forestry Institute AS USSR

Title : Some Biological Peculiarities of the Field

Maple (Acer campestre L.)

Orig Pub: Tr. In-ta lesa. AN SSSR, 1957, 33, 132-145

Abstract: These studies were conducted in the Borisogleb forest range (Tellerman Experimental Forest).

Here maple enters the III stage where its height, depending on the conditions, reaches from 7 to 15 meters. It is distinguished by good development when it grows in oak groves. The possibility of maple propagation by cuttings or by the shoots on

Card 1/3

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43910

the stump under given tree growing conditions is noted. Depending on the advanced age of the tree stand, the character of maple growth and its tole in the composition of the tree stand and in the composition of the young trees near a wood is determined by light conditions. The dominating position passes completely to the chief forest forming varieties and the field maple is driven back to the lower tier and to young trees on the edge of the woods where the number of its skeletal axis reaches 42 thousand per hectare. This process is connected with maintenance felling. Particularly after these fellings the number of shoots is increased. The presence of a large number of maple trees under a canopy (resulting in a flat crown, short life span, early arrest of

Card 2/3

K-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43910

the growth in height in the majority of skeletal axes) characterizes it as edge of the woods variety. However, under favorable conditions the growth of individual skeletal axes of the maple in the III and even II height level area may occur. The feasibility of the field maple being part of the wood-margin trees and the main height level area is emphasized. -- V. V. Protopopov

Card 3/3

Appropriate Loss Investory, September 26, 2002

CIA-RDP86-00513R002065720004-5

Appropriate Loss Investory, September 26, 2002

CIA-RDP86-00513R002065720004-5

Effect of tree and shrub species regenerated by sprouts on the development of oak stands. Trudy Inst. less 33:119-131 '57.

(Reforestation) (Oak)

(NIRA 10:10)

"APPROVED FOR RELEASE - Inursday, September 26, 2002 CIA-RDP86-00513R002065720004-5"

Biological characteristics of the common maple (Acer campestre L.)

Trudy Inst. lesa 33:132-145 '57.

(Maple)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5" CIA-RDP86-00513R002065720004-5"

BIOLOGY: Plant ecology

VDAN 49-66-4/713-16

I

II Associated with Institute of Forestry

DAN 49-66-4/713-16

III

IV *Coauthor with I N Yelagin "Supplies of Litter in Certain Types of Broad-Leaf Forests of the Foothills of the Northwestern Caucasus"

DAN 49-64-5/715-18

Coauthor with I N Yelagin "Illumination Under the Canopy of Certain Types of Broad-Leaf Forests (Northwest Caucasus)"

DAN 49-66-4/713-16

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00313R002065720004-5

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00313R002065720004-5

"Differences in the development of vegetation in stands of early and late form of oak." Dokl. AN SSSR 83 no. 1, 1952

SO: Monthly List of Russian Accessions, Library of Congress,

1951, Uncl.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5"

ABACCIACTION of early and late oak types with the ralief elements.

[zv. Vses. geog. ob-va 97 no.3:257-290 Ny-Je 65. (MIRA 18:8)

"APPROVED FOR RELEASE; Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5 CIA-RDP86-20713R002065720004-5 APPROVED FOR RELEASE; Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R0020604-5 CIA-RDP86-00518-5 CIA-RDP86-00518-5 CIA-RDP86-00518-5 CIA-RDP86-00518-5 CIA-RDP86-00518-5 CIA-RDP86-00518-5 CIA-RDP86-00518-5 CIA-RDP86-00518-5 CIA-RDP86

Early spring aerial chemical spraying of shrubs. Zemledelie 27 no.4175-77 Ap 65. (MIRA 18:4)

1. Severnyy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii.

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
MIROFOL'SKAYA, Nina Konstantinovna; ZVORYKINA, L.N., red.

[Safety manual for operation of road machinery and equipment] Pamiatka po tekhnike bezopasnosti pri rabote na dorozhno-stroitel'nykh mashinakh i mekhanizmakh. Moskya, Stroiizdat, 1964. 32 p. (MIRA 17:8)

"APPROVED FOR RELEASE: Thursday, September 26, 2002
ARPROVED FOR RELEASE: Thursday, September 26, 2002
BOLCBAN, Nikolay Aleksandrovich, kand.tekhn.nauk; ZVORYKINA.L.N., red.

[Safety manual for operators of tower cranes] Famintka
po tekhnike bezopasnosti dlia mashinista bashennogo krana. Izd.2., perer. i ispr. Moskva, Stroizdat, 1964.
38 p.

(MIRA 17:7)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5" CIA-RDP86-00513R0020607 CIA-RDP86-00512R007 CIA-RDP86-00512R007 CIA-RDP86-00512R007 CIA-RDP86-00512R007 CIA-RDP86-00512R007 CIA-RDP86-00512

[Safety manual for operators of equipment for churn drilling] Pamiatka po tekhnike bezopasnosti dlia mashinista stanka udarno-kanatnogo bureniia. Moskva, Stroiizdat, 1964. (MIRA 17:6)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP8G-00513R002065720004-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP8G-00513R002065720004-5
EONDAR!, Yevgeniy Petrovich, inzh.; ZVORTKINA, L.M., red.

[Safety manual for assembling reinforced concrete
elements] Pamiatka po tekhnike bezopasnosti dlia
montaznika zhelezobetonnykh konstruktsii. Ind.2.,
ispr. i dop. Moskva, Stroitzdat, 1962. 31 p.

(MIRA 17:6)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

KLOCHANOV, Petr Nikolayevich; EYDINOV, Yuriy Solomonovich; ODINOKOV, S.D., kand. tekhn. nauk, nauchn. red.; ZVORYKINA, L.N., red.

[Painting, glazing, and facing operations] Maliarnye, stekol'nye i oblitsovochnye raboty. Moskva, Stroiizdat, 1964. 313 p. (MIRA 18:2)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5

APPRIARATEURERIFA, INTROLEY PROVOVICH; ZV HYRINA, L.N., red.

[Safety mamual for worker: assembling mining | uipment]

Pamtatka po tekhnike bezopasnosti dita ranchikh po

montazhu gornorudnogo oborudovaniia. Moskya, Stroiiz
dat, 1964. 29 p. (MIRA 17:9)

[Safety manual for the assembler of tower cranes construction] Pamiatka po tekhnike bezopasnosti dlia montazhnika stroitel nykh bashennykh kranov. Izd.2., perer. i dop. Moskva, Stroitzdat, 1964. 46 p.

(NIRA 17:6)

"APPROVED FOR RELEASE: Thursday, September 26, 2002
AFBOLOBAN, RIFASE Thursday, September 26, 2002
CIA-RDP86-00513R002065720004-5
CIA-RDP86-00513R002065720004-5 VELIKOTSKIY, Aleksandr Nikolayevich; MACHABELI, Shota Levanovich; RUFFEL!, N.A., nauchn. red.; ZVORYKINA, L.N., red.; MIKHEYEVA, A.A., tekhn. red.

[Assembling precast concrete structures] Montach sbornykh zhelezobetonnykh konstruktsii. [By] N.A. Boloban. i dr. Moskva, Gosstrolizdat, 1963. 344 p. (Precast concrete construction)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
APPROVED GOT RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
APPROVED GOT RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R0020657200

[Preparation of formwork in industrial construction] Opalubochnye raboty v promyshlennom stroitel stve. Moskva, Gosstroiizdat, 1963. 311 p. (MIRA 16:11) "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5 RUBINCHIK, A.M.; EYLER, S.A., helbn red.; ZVORYKINA, L.N., red.; BOROVNEV, N.K.,

[Construction of cofferdams and caissons] Stroitel'stvo opusknykh kolodtsev i kessonov. Moskva, Gosstroiizdat, (MIRA 17:1) opusknykn kol 1963. 247 p. (Cofferdams)

(Caissons)

"APPEARP FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
APPROVED FOR REVEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5

A.A., tekin. red. ZWIKI INA L. N., red.; MIKHEYEVA,

[Safety manual for blasters (in open areas)] Pamiatka po tekhnike bezopasnosti dlia vzryvnika (na otkrytykh rabotakh) Izd.w., perer.i dop. Moskva, Gosstroiizdat, 1963. 29 p.

(Blasting-Safety measures)

(MIRA 16:9)

"APPROVED FOR RELEASE; Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 APPROVED FOR RELEASE; Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 red. CIA-RDP86-00513R002065720004-5 red. Rand. med. nauk; ZVORIKINA, L.II.

[Industrial hygiene in a cement factory] Gigiena truda na tsementnom zavode. Moskva, Strolizdat, 1964. 46 p. (MIRA 17:5)

"APPROVED FOR RELEASE, Thursday, September 26, 2002
APPROVED FOR RELEASE, Thursday, September 26, 2002
TARKHOVA,

[Rigger-signalman's safety manual] Pamiatka po tekhnike bezopasnosti dlia takelazhnika-signal'shchika. Izd.2., ispr. i dop. Moskva, Gosstrolizdat, 1963. 45 p. (MIRA 17:3) Approved for Release Through September 26, 2002 CIA-RDP86-00513R002065720004-5
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"APPROVED FOR RELEASE: A hursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

One way to metallize Seignette's salt. Trudy IKI no.28:199-201 (MIRA 15:5)

1. Kafedra fiziki Leningradskogo korablestroitel'nogo instituta.

(Rochelle salt) (Metal spraying)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CTA-RDP86-00913R002009/20004-5 CIA-RDP86 SOURCE CODE: UR/0020/66/168/003/0564 AUTHOR: Myasnikov, L. L.; Zvorykina, R. A. Leningrad Shipbuilding Institute (Leningradskiy korablestroitel nyy institut) B TITLE: Magnetoacoustic effect in aluminum alloys Doklady, v. 168, no. 3, 1966, 564-566 TOPIC TAGS: aluminum alloy, magnetoacoustic effect, acoustic absorption, torsional vibration, acoustic resonance, solid solution, grain structure ABSTRACT: To check on the hitherto uninvestigated increase of the phase velocity and increase of absorption of torsional sound waves in alloys, the authors prepared aluminum alloys with different contents of iron impurity - of the order of tenths and hundredths of one per cent. Plates of equal dimensions were tested (130 x 7.5 x 2 mm), fastened precisely at the vibration node, tuned to odd harmonics, and excited by resonance with torsional oscillations from X-cut Rochelle salt crystals. The resonance curve was plotted by producing beats from two sound generators with a constant frequency difference of 50 cps. When a constant magnetic field was applied, the resonant frequency was different from that without a field. The relative change of phase velocity was determined from the change in the resonant frequency, and the damping of the torsional oscillations was estimated from the relative logarithmic decrement of the oscillation with and without the field. The results show that the magnetoacoustic effect depends on the grain dimensions, density, chemical composition, and other fac-

1/2

VDC: 548.0: 535

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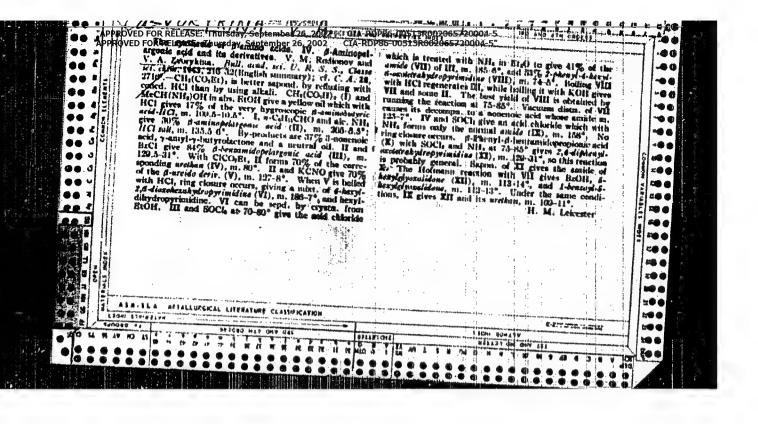
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Students' experiments on the use of antibiotics in poultry farming.
Politekh. obuch. no.8:86 Ag '59. (HIPA 12:10)

l. Kuybyshevskiy oblastnoy institut usovershenstvovaniya uchiteley.

(Poultry breeding) (Antibiotics)

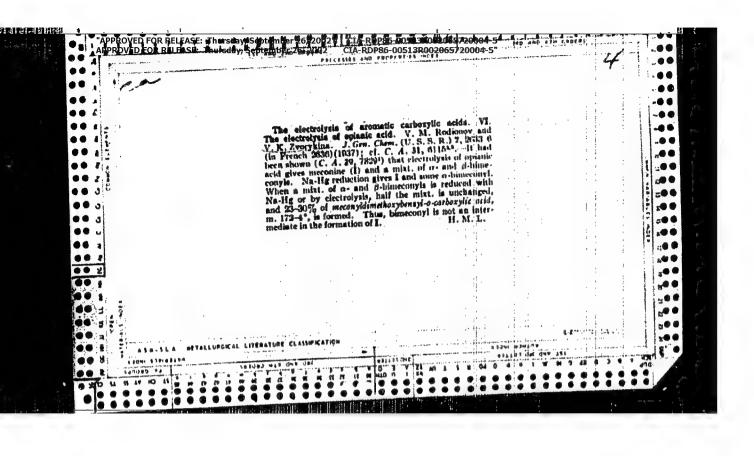


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"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
ZV()RYKINA, V.B. [deceased]; STOL'NIKOVA, N.M.; Devyatnin, V.A.

A study of the reaction of furfurole with aniline and its use in making a qualitative evaluation of vitamin preparations. Trudy VNIVI 5:200-204 54. (MLRA 9:3)

1. Khimiko-analiticheskava laboratoriya.
(ASCORBIC) (FURALDEHIDE) (ANILINE)



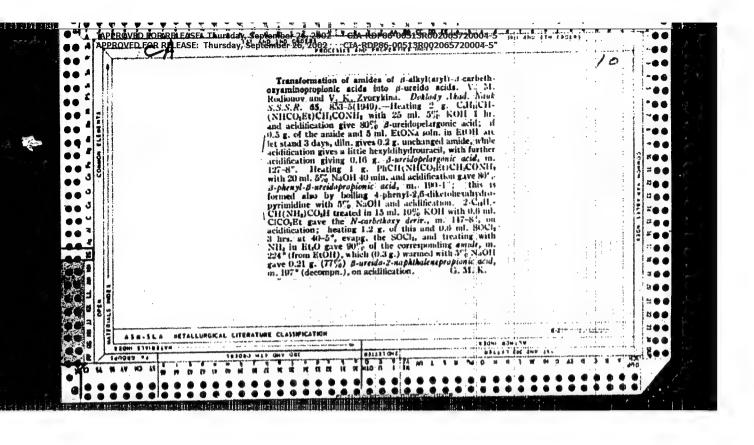
Acylation reactions. V. M. Rodionov and V. K. Zvorykina, Doblady Akad, Nanh S.S.S.R. 57, 583-6 (1947); Them. Zentr. (Russian Zone Ed.) 1948, II, 955-Attempts to prep. 2-phenyl-4-hexyl-6-oxobetrabyth-pyrimidine by the action of AcyO on 6-henarmidopelargonamide yielded 2-methyl-6-hexyl-6-oxobetrabyth-opyrimidine, Callic II. Therefore

the action of Ac₂O on other acyl compils, was investigated. Boiling BaNHPh with Ac₂O and treating the reaction-product with bolling water yielded acclamifide. PhCH₁-CONHPh treated in like manner yielded AcNHPh. The following esters were prepd. by heating the corresponding acylaminopelargonic acids with alc. and H₂SO₂. Et B-acttamidopelargonic acids with alc. and H₃SO₄. Et B-acttamidopelargonic [II], thin needles from petr. ether, m. 49-50°, b. 174-5°. B-Benzamido analog (III), fine needles from ether-petr. ethar, m. 62°, b. 218-19°. Treating III with Ac₂O and proceeding as above yielded II. B-(Phenylacetamido) pelargonic acid (IV), obtained from the amino acid with PinCH₂COI in 10% KOH at 0-8°, needles from ether-petr. ether or from aq. alc., m. 103-3°, readily sol. in Et₂O. Treatment of IV with SOCI₃ at 40° and then with NII, yielded the amide (V), needles from alc., m. 182°, Heating V with Ac₃O yielded I, n. 81°, M. G. Mourn

. DP86-00513R002065720004-5

DP801 (1900) Be 48. Askil 50. 11 (19.1), DP101

3 hrs. with 5 cc. BrCl, wished with old the NaOH, and the EtO soln, of the residue washed with old. NaOH, and the EtO soln, of the residue washed with old. NaOH, and the EtO soln, of the residue washed with old. NaOH, and revaple, gave 0.53 g pure (and 0.21 g, crude) 2-phonyd-heryd-disordetahydropyrisudane. In. 71 (from EtO) petr. ether). Reflating 12.8 g d-carbethoxy ordino petrargonamide 8 hrs. with 80 ml, AcO, removal of the excess AcO, boding the residue 0.5 hr. with 75 ml. HyO, and soln, in EtO) gave 2.1 g, starting naterial and 2.5 g corresponding acid (insol, in EtO), while distin, of the EtO-8xt, gave 4.8 g, od, by 17 d, on "1 15.5", (1") 0 00003; the latter (1.1 g.) boded with 22 g, 30°5, NaOH gave 0.3 g-antimopelargonic acid (from NaOH) soln, by faint acid fection by HCl) and 0.1 g. (i-antinomonamon), arbiting acid, in. 123° (by further aciditation with AcOH); this established the structure of the above-described oil as 1-acrtyl-2-thoxy-4-kryd-disordetayle/pyrimidine. The following derives, were jurgal by the 50°Cil. StI, procedure as detaited above: CallaCH(NHB)CH(COH) (80°C), needles, in. 1936° (from EtOH), or 3-phonyl-4-kryd-disordetrahydropyrimidine (84%), needles, in. 74.5° (from dil. ftOH); CallaCH(NHA)CH(COH) gave only the amide, in. 128° (from MetH), 82°°, PhOH(COH); condition in 180H); in 93°°, PhOH(NHB)CH(COH) gave only the amide, in. 223° (from ROH), in 93°°, phonyl-4-henyl-6-one-photo-phonyl-6-ore-photo-phonyl-6-ore-photo-photo-phonyl-6-ore-photo-photo-phonyl-6-ore-photo-phonyl-6-ore-photo-photo-phonyl-6-ore-photo-photo-phonyl-6-ore-photo-photo-phonyl-6-ore-photo-photo-phonyl-6-ore-photo-phot -00 --aminopelargonic acid gives not a Ph deriv. of tetrahydro-pyrimidine, but a Mc deriv., i.e. the Bz group is replaced by Ac; such transacvations gives quant, yields of AcN-HPh from BzNHPh and PhOAc. B. Immopelargenic acid (10 g.) in 120 cc. 10 p. NaOH was treated shopnise with 10.1 cc. AcyO at 5 10 p. iet stand 1 hr., and achified with HCl to Congo red, giving 75% Ac deriv., m. 101-2" (from dll. RtOH). This (0 g.) with the theoretical annt. of SOClibeated to 40-5", the residual SOCli removed in cusuo, and the residue in benzene or Rto treated with dry NH, gave 81% Bustanishoplargonamida, needles, m. 170". *** ---. *** F. . 40 B ... This (1.7 g.), boiled 3 hrs. with 10 cc. Ac₃O, the excess Ac₂O removed in views, and the residue boiled 0.5 hr. with 25 cc. It[O and couled, gave 75° o 2-nethyl-4-hexyl-6-axotetrahydropys malone (1), needles, in. R* (from It[O) petr. ether, after washing with 5° Sattll]); hydrolysis of this by 5° Sattll gave 3 arctanidopelargonic well, in 101°. Boiling 5 g. 3-henzaundopelargonic mide (11) arrs. with 40 cc. Ac₃O and treatment as above gave 1.7 g 1 . O 1100 * • • * • • Chimico Tech. Inst inti Bheidelegher



The Hofmann reaction III. Reaction of, acylated amides of a amisopolargonic acid with alkaline hypothomies. V. M. Rodinmy and V. K. Zvorykijia. Inciding to M. S. S. R. (Idel. Khim: "Visit 1950, 498-20; that S. S. R. (Idel. Khim: "Visit 1950, 498-20; that S. S. R. (Idel. Khim: "Visit 1950, 498-20; that S. S. R. (Idel. Khim: "Visit 1950, 498-20; that S. S. R. (Idel. Khim: "Visit 1950, 498-20; that the S. S. R. (Idel. Khim: "Visit 1950, 498-20; that anites of dominopalargonic acid proceeds through the formation of acidity substituted hydrations. Thus a similar substituted acids is opened. Thus a monte explanations of the results are discussed in the light of prevalent with the Astronomy acids is opened. The possible to atment of 7 ml. Hr. 25 lbs. Schlosoff. (Idel. 177, 2416) and heating the solution as steam back to 35' should be a 10° with 12° g. C. Hot III. (Idel. 177, 197-191). The solution of the any solution and extra with Expl. 187-28 (197-28) and heating the solution of the any solution and the analysis of the solution of the any solution and the analysis of the solution of the any solution and the analysis of the solution of the any solution and the analysis of the solution of the any solution and the solution of the any solution and the solution of the any solution and the solution of the solution of

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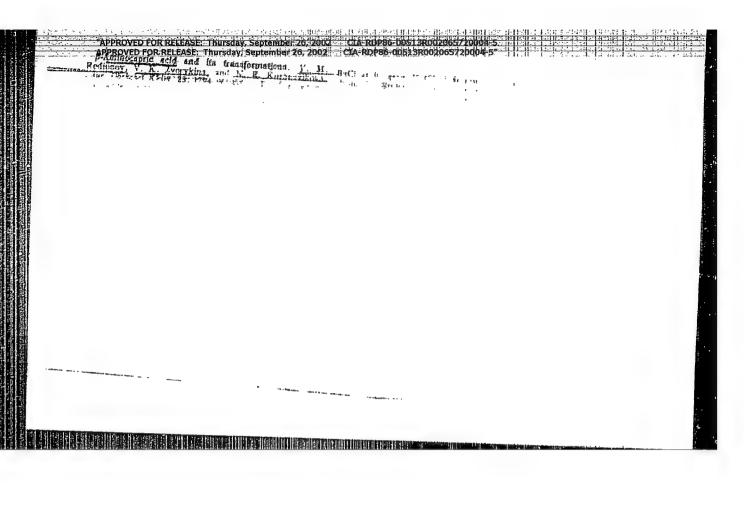
oil yielded 1.24 g. V. 0.015 g. \(\theta\) (embethoxyaning plargoin with some HCN, and a old mis 121.2", which is also obtained among the publices of hydrolysis of I with an KOH, and which is given the proviounal formula, CellaCH.

KOH, and which is given the provisional formula, Callicette, MRCO-ROCH-NHCOS Cr. (O) SH CH(Callic) CH₂ Callicette MRCO-ROCH-NHCOS Cr. (O) SH CH(Callic) CH₂ Callicette MRCO-ROCH-NHCOS Cr. (O) with 3.1 ml. Br. in 72 g. kCH and 72 ml. Hat similarly gave after rapid conditions when the "assationed to the win a 10.7 1.20 g. V. 1 ib 1.5 when the "assationed to the win a 10.7 1.20 g. V. 1 ib 1.5 when the "assationed to the win a 10.7 1.20 g. V. 1 ib 1.5 when the "assationed to the same and the same same and the same and th

Carba 21"ARPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

General method of obtaining B-semi-carbazide acids. Dokl. AN SSSR, 85, No. 3, 1952

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.



"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
The work of Academician V.M.Rodionov in the field

The work of Academician V.M.Rodionov in the field of -amino acids. Soob.o nauch.rab.chl.VEHO no.4:5-21 '54. (MIRA 10:10)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5

APROVED ROW, ELVAN THURSDAY, September 26, 2002 CIA-RDP86-00513R002065720004-5

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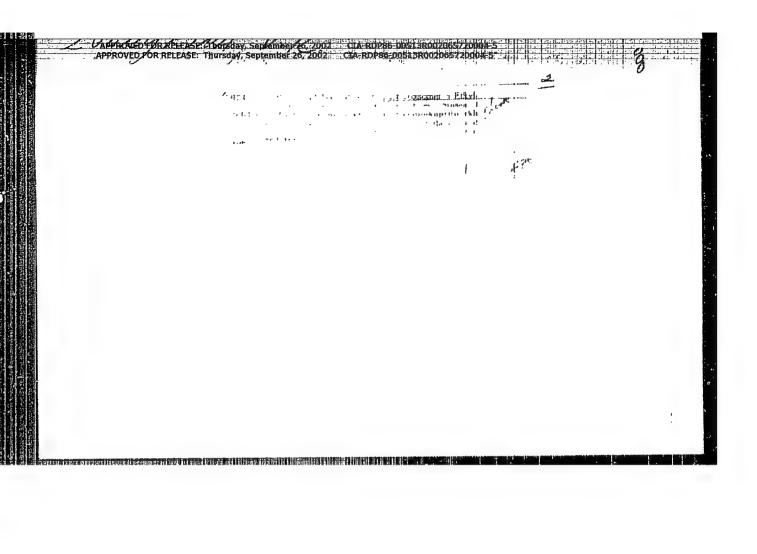
APROVED ROW, ELVAN FOR THURSDAY, September 26, 2002 CIA-RDP86-00513R002065720004-5

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APROVED ROW, ELVAN FOR THURSDAY, September 26, 2002 CIA-RDP86-00513R002065720004-5

APROVED ROW, ELVAN FOR THURSDAY, SEPTEMBER 2002 CIA-RDP86-00513R00206572004-5



E-2

USSR/Organic Chemistry - Synthetic Organic Chemistry

Referat Zhur - Khimiya, No 2, 1957, 4405 Abs Jour

Author Title

Rodionov, V.M., Zvorykina, V.K. Syntheses of Pyrimidine Series. II. Conversion of Diastereoisomeric Gamma-Ethyl-Beta-Aminocaprylic Acids

to Substituted Tetra- and Hexahydropyrimidines.

Zh, obshch. khimii, 1956, 26, No 4, 1165-1169 Orig Pub

Isomeric gamma-othyl-beta-ureidocaprylic acids (Ia,b) are obtained from the two diastercoisomeric gamma-Abstract ethyl-beta-aminocaprylic acids (IIa,6) by three procedu-

res: a) heating of II with KCNO; b) heating of amides of N-carbethoxy-derivatives of II with alkali; c) saponification of 4-(1'-ethylpentyl)-2,6-dioxohexahydropyrimidines (IIIa,b). By boiling with HCl (acid) I are converted to III. Action of SCCl2 followed by NH3 on N-benzoyl derivatives of IIa,b, Gives 2-phenyl-4-(1'-

ethylpentyl)-6-oxotetrahydropyrimidines (IVa,b).

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Card 1/3

USSR/Organic Chemistry - Synthetic Organic Chemistry

E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4409

Heating of diastereoisomeric amides of gamma-cthyl-beta-(N-acetylamino)-caprylic acids (Va,b) with (CH₂CO)₂O gives 2-methyl-4-(1'-ethylpentyl)-6-oxotetrahydropyrimi-dines (VIa,b). From 12 g N-carbethoxy-IIa (prepared in usual manner from IIa, yield 74%, MP 60-61° (from petro-leum ether)) by heating with 5 ml SOCl₂ at 40° for 3 nours, driving off excess SOCl₂ in vacuum, adding 500 ml ether and saturating with NH₃, is obtained the amide of N-carbethoxy-IIa, yield 68%, MP 146° (from water). Analogously from N-carbethoxy-IIb (prepared from IIb, yield 70%, MP 63-64° (from alcohol-petrolcum ether)), is prepared amide of N-carbethoxy-IIb, yield 70.6%, MP 144° (from water). 1 g of the amide thus obtained, in 20 ml 10% solution of NaOH, boiled until dissolved, acidified to get Ia, yield 86%, MP 142° (from water) or Ib, yield 0.85 g, MP 169° (from alcohol), respectively. On heating IIa,b with solution of KCNO the yield of I is 85 and 76%,

Card 2/3

USSR/Organic Chemistry - Synthetic Organic Chemistry

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4409

respectively. I boiled with 12% solution HCl, for 3 hours; yield of IIIa 67%, MP 1520 (from water); yield of IIIb 80%, MP 145-1460 (from water). 5 g N-benzoyl-II heated with 3.75 ml SOCl₂ at 75-800 for 3 hours, SOCl₂ driven off, added ether and saturated with NH₃; yield of IVa 44.8%, MP 1250 (from aqueous alcohol); yield of IVb 62%, MP 1230 (from aqueous alcohol). To mixture of II and 10% solution NaOH added (CH₃CO)₂O; yield of N-acetyl-IIa 81-3%, MP 1180 (from water); yield of N-acetyl-IIb 78. 8%, MP 1170 (from water). By action of SOCl₂ and NH₃ on the latter there are obtained Va, yield 89.3%, MP 1950 (from alcohol), and Vb, yield 77.6%, MP 1750 (from alcohol). Mixture of 1.5 g V and 30 ml (CH₃CO)₂O boiled 4 hours, (CH₃CO)₂O driven off; yield of VIa 76%, MP 920 (from aqueous alcohol); yield of VIb 70%, MP 86-870 (from ether).

Card 3/3

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

RODIOROV, Vladimir Mikhaylovich, akademik [deceased]; ZVORYKINA, V.K., sostavitel; KISELEVA, V.V., sostavitel; FRIDROVA, A.M., [translator]; KNUNYANTS, I.L., akademik, otv.red.; SHEMYAKIN, M.M.; akademik, otv.red.; SHVETSOV, Yu.B., red.isd.; POLENOVA, T.P., tekhn.red.

[Selected works] Isbrannye trudy. Moskva, Isd-vo Akad. nauk SSSR. 1958. 792 p. (Chemistry, Organic) (MIRA 12:2)

AUTHORS:

Gol'dfarb, Ya. L., Zvorykina, V. K.

SOV/62-58-6-15/37

TITLE:

gamperatelista))Esterat Investigation of the N-Oxides of Some Heterocyclic Bases (Izucheniye N-okisey nekotorykh geteroteiklicheskikh osnovaniy) Communication I. On the Production and Properties of Nicotine Oxides (Soobshcheniye 1:0 poluchenii i

svoystvakh N-okisey nikotina)

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PERIODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1958, Nr 6, pp. 748-755 (USSR)

ABSTRACT:

Three types of oxides can be produced from nicotine: Pl-N-oxide, Py-N-oxide, Py,Pl-N-dioxide. Most papers on nicotine oxidation deal with the compounds of the first type. The authors begin by mentioning the papers by Pinner and Wolfenstein (Vol'fenshteyn) (Ref 1) Auerbach (Auerbakh) and Wolfenstein (Ref 2), Weil (Veyl') (Ref 4), Hains (Khayns) and Eisner (Eyzner) (Ref 5) and other authors. The present paper deals with the investigation of the reaction of the oxidation of nicotine H202, on which occasion all three N-oxides were obtained in form of crystals. Of these, nicotine-Pl_Py-dioxide

and nicotine-Py-N-oxide have as yet not been described in

Card 1/2

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

Investigation of the N-Oxides of Some Heterocyclic SOV/62-58-6-15/37 Bases. Communication I. On the Production and Properties of Nicotine Oxides

published works. Pl-Py-dioxide was obtained as a crystal hydrate (with 2 water molecules and a water-free base), as monopicrate, dichlorohydrate, and mercury complex. For the Py-monoxide of nicotine a crystal base, dichlorohydrate, dipicrate, and a mercury derivative were obtained. For nicotine-Pl-N-oxide, which had already been obtained by Pinner (under the name of "Oxynicotine") the authors obtained a hitherto not described chlorohydrate; the water-free base was separated. There are 11 references, 1 of which is Soviet.

ASSOCIATION:

Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy AS, USSR)

SUBMITTED:

December 13, 1956

1. Nicotine oxides—Production 2. Nicotine oxides—Properties

Card 2/2

AUTHORS:

Zvorykina, V. K., Alashev, F. D., Gol'dfarb, Ya. L.

62-58-6-29/37

TITLE:

The Production of N-Oxides of N-Methylanabasine (Polucheniye N-okisey N-metilanabazina)

PERIODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1958, Nr 6, pp. 788 - 790 (USSR)

ABSTRACT:

Continuing the investigation of the N-oxides of bi-tertiary cyclic bases (Refs 1,2), the authors carried out the oxidation (by means of hydrogen peroxide) of N-methylanabasine. Bases of the N-oxides of N-methylanabasine which had hitherto not been described in published works, viz. N,N!-dioxide, Py-N-oxide, and Pi-N-oxide, as well as the picrates and hydrochlorides of these oxides were obtained. The structure of the N-oxides of N-methylanabasine was determined by reduction by means of zinc and hydrochloric acid in N-methylanabasine (and was identified as a di-picrate). There are 4 references, 2 of which are Soviet.

Card 1/2

The Production of N-Oxides of N-Methylanabasine

501/62-58-6-29/37

ASSOCIATION: Institut organicheskoy khimii im. N.D.Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N.D.Zelinskiy, AS USSR)

SUBMITTED:

January 29, 1958

1. Nitrogen oxides--Production

2. Cyclic compounds—Oxidation

Card 2/2

AUTHOR SE

Gol dfarb, Va. L., Zvorykine, V. b.

sov/62-58-7-21/36

TITES:

The Production of the N-Oxides of a- and a'-Aminonicotine (Polucheniye N-okisey :- i a'-aminonikatina)

PERTODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1958, Nr 7, pp. 900-903 (USSR)

ABSTRACT:

In previous articles the authors described the N-oxides of nicotine (Ref 1) and N-methylanabasin. The investigations in the field of the nicotines tere continued by the description of the production of various N-oxides of the benzoyl-o'-aminonicotine given in this paper. Purthermore (in the saponification of the latter by means of hydrochloric acid) they dealt with the production of the N-oxides of the corresponding a'-aminonicotines. Analogous to the N-oxides of the q-aminonicotines, Analogous to the N-oxides of the q-aminonicotines, analogous to the N-oxides of the g-aminonicotines, analogous to the N-oxides of the g-aminonicotines of the described by Adams and Miyano, hef 5, Kartitskiy, Ref 6) Pl.Fy-dioxides and Py-monoxide are amphoteric compounds which dissolve only in caustic alkali and mineral acids.

dard 1/2

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

307/62-58-7-11/26

The Production of the N-Oxides of "- and a'-Aminonicotine

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii

nauk sosk

(in ditute of Cegana Chemistry ironi N. D. Zelinskiy, AS UCSA)

JUNEAUT W: Pebruary 28,- 1998

Gazzi o in

AUTHORS:

Zvorykina, V. K., Neyland, O. Ya.

SOV/62-58-9-13/26

TITLE:

Concerning Several Conversion Products of the Diastereoisomers of γ -Ethyl- β -N-Carbethoxyaminocaprylic Acid (0 nekotorykh produktakh prevrashcheniya diastereoizomernykh γ-etil-β-N-karbetoksiaminokaprilovykh kislot)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1958, Nr 9, pp 1099 - 1103 (USSR)

ABSTRACT:

In the previous papers the authors reported the preparation of two diastereoisomers of γ -ethyl-(3-aminocarrylic acid, which were referred to as A_1 and A_2 in these papers. Also prepared were several derivatives and transformation products (Refs 1-3). In testing these compounds biologically it was found that several of them (especially isomer A2) had bacteriostatic properties. The authors were therefore interested in carrying out further, similar investigations to test the chemical and biological properties of these compounds. To do this, however, it was necessary that the molecular configurations

Card 1/2

be maintained and that substitution take place at the

Concerning Several Conversion Products of the S07/62-58-9-13/26 Diastereoisomers of γ -Ethyl- β -N-Carbethoxyaminocaprylic Acid

functional groups. Therefore the authors prepared diastereoisomers (A₁ and A₂) of γ -ethyl- β -(ω -phenylureido) caprylic acid, γ -ethyl- β -semicarbazidocaprylic acid, and 1-phenyl-4-(1-ethylpentyl)-2,6-dioxohexahydropyrimidine. For the synthesis of these compounds the reactions discovered by Rodionov and Zvorykina (Ref 4) were used. In addition to these reactions (in order to compare the yields) the isomers of these compounds were prepared by the method of Longfield and Stieglitz (Longfel'd and Shtiglits) (Ref 8), by reacting phenyl isocyanate with γ -ethyl- β -aminocaprylic acid (Ref 3), and by the hydrolysis of 1-phenyl-4-(1-ethylpentyl)-2,6-dioxohexahydropyrimidine (Ref 4), respectively. There are 8 references, 7 of which are Soviet.

ASSOCIATION:

Institut organicheskoy khimii im.N.D.Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N.D.Zelinskiy, AS USSR)

SUBMITTED:

February 2, 1957

Card 2/2

CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

GOL DFARB, Ya.L.; ALASHEV, F.D.; ZVORYKINA, V.K. [decensed]

Preparation of anabasine Py-N-oxide. Izv. AN SSSR Ser. khim. no.12:2241-2242 D '64 (MIRA 18:1)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

GOL'DFARB, Ya. L.; ALASHEV, F. D.; ZVORYKINA, V. K.

Oxidation of anabasine by hydrogen peroxide. Izv. AN SSSR Otd. khim. nauk no.1282209-2216 D 62. (MIRA 16:1)

1. Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR.

(Anabasine) (Hydrogen peroxide)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
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CIA-RDP86-00518-5
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CIA-RDP

Ultraviolet absorption spectra of some pyridine and nicotine derivatives. Report No.4: Absorption spectra of No.4: Absorption spectra of No.4: nicotine and No.4: Absorption spectra of No.4: Absorption spectra of No.4: nicotine and No.4: Absorption spectra of No.4: Absorption spectr

1. Institut organicheskoy khimii imeni N.D.Zelinskogo Akademii nauk SSSR.

(Pyridine) (Piperidine)

** APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

MAYRA MOVSKIY, S.G.; BARASHKOVA, M.V.; ALASHEV, P.D.; ZVORYKIMA, V.K.

Polarographic study of M-oxides of anabasine and M-methylana-basine. Izv.AN SSSR Otd.khim.nauk no.5:938-940 My 160.
(MIRA 13:6)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo Akademii nauk SSSR.

(Anabasine)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R00206671900065VA, N.M. APPROVED FOR RELEASE: Athursday, N.M. Caleboas Col. 1 R002065720004-5.

Vitaminization of vegetable oils. Trudy VNIVI 5:193-195 (MLRA 9:3)

1. Khimiko-analiticheskaya laboratoriya.

(OILS AND TATS) (VITAMINS)

**APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

DEVYATNIH, V.A.: ZVORYKINA, V.V. [deceased]; STOL'HINOVA, H.M.

Effect of moisture on the decomposition of vitamins C and B₁ in preparations. Trudy VNIVI 5:42-46 '54. (MLRA 9:3)

1. Khimiko-analiticheskaya laboratoriya.
(ASCORBIC ACID) (THIAMINE)

APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002

IOSIKOVA, V.M.; KRAVCHINA, L.N.; ZVORYKINA, V.Y.

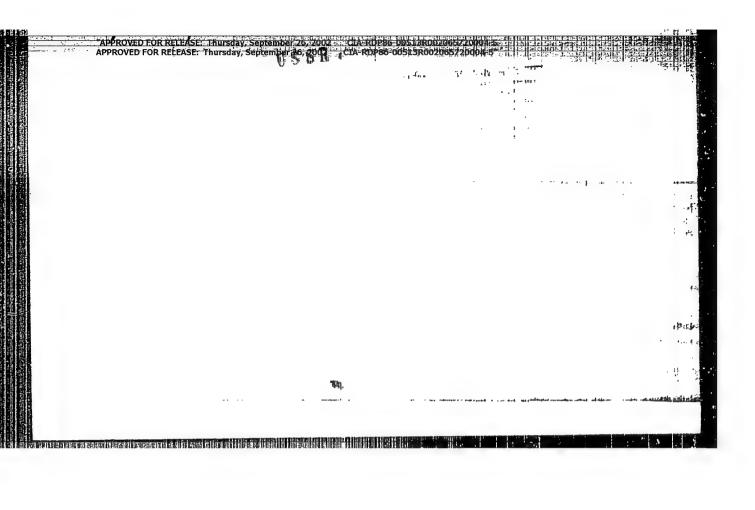
Study of the stability of vitamins in the polyvitaminic dragee.

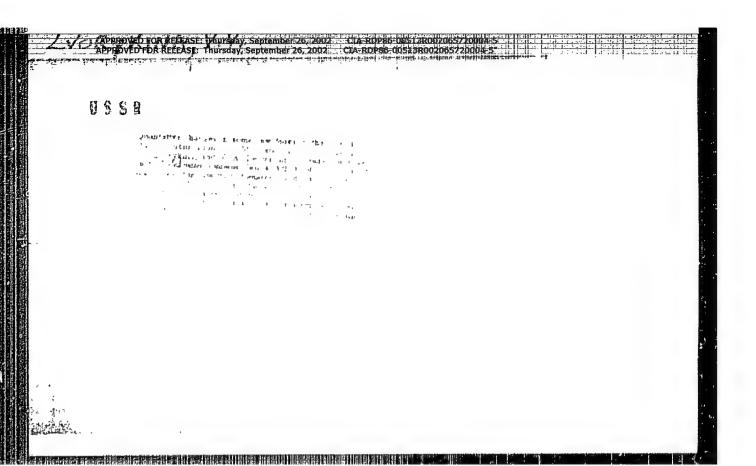
Trudy VNIVI 6:131-136 '59.

(MIRA 13:7)

1. Vsesoyuznyy nauchuo-issledovatel skiy vitaminnyy institut.
Khimiko-analiticheskaya laboratoriya.
(VITAMINS)

PREVENTION RELEASE Internal Sequences of the Company of the Compan





Chemical analysis of rhamils H, or tack arry M

Chemical analysis of rhamils H, or tack arry M

Colorest V 2 2-righted and N Chemical (1986)

Chemical analysis of rhamils H, or tack arry M

Colorest V 2 2-righted and N Chemical (1986)

Colorest V 3 2-righted (1986)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002 KUTEPOV, O.S.; ZVORYKINA, Ye.K.

Short-cut method for calculating the production norms of workers, and the coefficient of output and operative efficiency of the weaving equipment. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.3: 3-14 '62. (MIRA 17:10)

1. Leningradskiy tekstil'nyy institut imeni Kirova.

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
CIA-RDP86-00513R002065720004-5
CIA-RDP86-00513R002065720004-5
CIA-RDP86-00513R002065720004-5
Inshener:

TRIDMAN, I., inzhener; ZVOZSKOV, B., inshener.

An automatic truck tilter. Awt. transp. 33 no.3:33 Mr 155.
(Mctor trucks) (MLRA 8:5)

"APPROVED FOR RELEASE: Thursday, September 26, 2002

APPROVED FOR RELEASE: Thursday, September 26, 2002

IL'IN, M.I.; ZVOSKOVA, N.S., starshiy agronom; LEYN, Z.Ya.; ZVYAGINTSEVA,

Ye.I.; MARINICH, T.Ye., red.; ZABORSKIY, N.I., red.; PECHENKIN,

I.V., tekhn. red.

[New corn hybrids Bukovine 3 and Bukovina 2; results of stale crop variety tests] Novye gibridy kukuruzy Bukovinskii 3 i Bukovinskii 2; rezul'taty gosudarstvennogo sortoispytaniia. Moskva, Izd-vo M-va sel'. khoz. SSSR, 1960. 45 p. (MIRA 14:8)

1. Russia(1923- U.S.S.R.) Gosudarstvennaya komissiya po sortoispytaniyu sel'skokhozyaystvennykh kul'tur. 2. Zaveduyushchaya
khimicheskoy laboratoriyey Gosudarstvennoy komissii po sortoispytaniyu sel'skokhozyaystvennykh kul'tur pri Ministerstve sel'skogo khozyaystva SSSR (for Leyn). 3. Zamestitel' predsedatelya
Gosudarstvennoy komissii po sortoispytaniyu sel'skokhozyaystvennykh kul'tur pri Ministerstve sel'skogo khozyaystva SSSR (for
Marinich).

(Corn (Maize) - Varieties)

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
ZVOSKOVA, M.S.; LAPPO, A.A.

Survey of the achievements of master corn growers. Zemledelie 6 no.12: 37-41 D '58. (MIRA 11:12)

(Corn (Maise))

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
ZYOSKOYA, N.S.

Examples of displays from the corn exhibit. Zemledelie 6 no.3:95
Hr 158.

(Corn (Maize))

ZVUKOV, N. M., insh.

Tracks in Czechoslovakian open-pit mines. Ugol 38 no.4:56-57 Ap 163. (MIRA 16:4)

(Czechoslovakia-Mine railroads-Track)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
ZVUKOV, N.M., inzh.

Railroad tracks in the metallurgical and machinery plants of Czechoslovakia. Zhel.dor.transp. 44 no.8:88-93 Ag 162.

(MIRA 15:8)

(Gzechoslovakia—Industrial railroads)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002

PROVED FOR RELEASE: Thursday, September 26, 2002

ROVED FOR RELEASE: Thursday, September 26, 2002

ZAKATALOV, Ye.V., inzh.; BELYKH, K.D., inzh.; ZYUKOV, N.M., inzh.; SKYOHTSOV, O.S., inzh.; NETUSOV, V.P., inzh.; AL BREKHT, V.G., doktor tekhn. nauk, prof., red.; PETROVA, V.L., red.; USENKO, L.A., tekhn. red.

> [Mechanization of the repair and maintenance of normal and narrowgauge railroad tracks of industrial enterprises] Mekhanizatsiia remonta i soderzhaniia zhelezodorozhnykh putei normal'noi i uzkoi kolei promyshlennykh prepriiatii. Moskva, Vses. izdatel sko-poligr. ob edinenie M-va putei soobshcheniia, 1962. 63 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.225). (MIRA 15:5)

1. Nachal'nik sluzhby puti zavoda chernoy metallurg im. Dzerzhinskogo (for Belykh). (Railroads, Industrial-Maintenance and repair)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5" KOTEL'NIKOVA, A.V.; ZVYAGIL'SKAYA, R.A.

Adenosinetriphosphatase activity in mitochondria of Endomyces magnusii jeists. Biokhimiia 29 no.4:662-672 Jl-Ag 164. (MIRA 18:6)

1. Institut biokhimii imeni Bakha AN SSSR, Meskva.

ZVYAGIL'SKAYA, R.A.; KOTEL'NIKOVA, A.V.

Study of the exidation of different substrates and coupled phosphorylation in subcellular preparations from Endomyces magnusii yeasts. Biokhimiia 29 no. 1:65-70 Ja-F *64. (MIRA 18:12)

1. Institut biokhimii imeni A.N. Bakha AN SSSR, Moskva. Submitted April 12, 1963. "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

ZVYAGIL'SKAYA, R.A.; KOTEL'NIKOVA, A.V.

Effectiveness of oxidative phosphorylation in yeast mitochondria.

Dokl. AN SSSR 164 no.2:448-450 S '65. (MIRA 18:9)

1. Institut biokhimii im. A.N. Bakha AN SSSR. Submitted October 28, 1964.

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
ZV OR LAIN, V. N. CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5" Typological characteristics of the higher nervous activity of dogs during changes in the barometric pressure. Funk. org. v usl. imm. gaz. sredy 3:156-162 164. (MIRA 17:1

(MIRA 17:11)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

ZVORYKIN, V.N.; KORESHKOV, A.A.; MAL'KOV, P.A.

Reflex influences from the mechanoreceptors of the gastrointestinal tract on breathing and the cardiovascular system during barcmetric pressure drops. Funk. org. v usl. izm. gaz. sredy 3:242-251 '64. (MIRA 17:31)

TYPALOUED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

Certain peculiarities of proximal subcortex of the acoustic analysor; comparative anatomical study in mammals. Arkh. anat., Hoskva 29 no.2: 10-17 Mar-Apr 1952. (CIML 23:2)

1. Of the Scientific-Research Institute of the Brain (Director --- S. A. Sarkiosov, Active Member of the Academy of Medical Sciences USSR), Ministry of Public Health USSR.

- "APPROVED FOR RELEASE: Thursday, September 26, 2002

 1. "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5" CIA-RDP86-00513R002065720004-5"
- 2. VSR (600)
- 4. Embryology, Human
- 7. Problem of shifting of the courpus geniculatum mediale in the course of its development, Arkhiv. anat. gist. i embr., 29, No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

ZVCRX#PANyEDFOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

Nervous System

A. I. Tyshetskiy and the discovery of the excitability of the central nervous system. Zhur. nevr. i psikh. 52, No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 195, 1915; Uncl

6151

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
ZYORYKIN, V.P.; SHKOL'NIK-TARROS, Ye.G.

Numerical data on the relationship of the peripheral part of the visual analysor to cerebral ands of the analysors in a number of vertibrates.

Arkh. anat., Moskva 30 no.5:43-47 Sept-Oct 1953. (CIMI 25:4)

1. Of the Institute of the Brain (Director -- Prof. S. A. Sarkisov, Active Member AMS USSR), Ministry of Public Health USSR.

Corpus geniculatum internum and acuity of hearing. Arkh.anat.gist.iembr. 31 no.1:22-35 Ja-Mr 154. (MERA 7:4)

1. Iz Instituta mozga Ministerstva zdravockhraneniya SSSR (direktor - deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR professor S.A. Sarkisov).

(Optic thalamis) (Hearing)

Card 1/1

Pub 154-17/19

Author

: Zvorykin, V. P.

Title

: Towards the question of the discovery of the excitability of the central nervous system

Periodical

: Zhur. vys. nerv. deyat. 5, 292-298, Mar-Apr 1955

Abstract

: Presents data supporting the view that priority for discovery of the excitability of the C. N. S. is due to the 19th-century Russian physician, A. I. Tyshetskiy, Photograph. Eleven references, all USSR (5 since 1940).

Institution

Institute of the Brain of the Academy of Medical Sciences USSR

Submitted

:

prof.S.A.Sarkisov)
(BRAIN, anatomy and histology,
ganglion 1sthmi in frogs & reptiles (Rus))
(REPTILES,

(FROGS, same)

Nervous System. Central Nervous System.

Abs Jour

: Ref Zhur - Biol., No 18, 1958, No 83634

Author Inst

· Zyorykin, V. p.

Title

and the same of the same of the same : Morphological Bases of Differences in Auditory Acuity in the Dog and the Monkey.

Orig Pub

: Uspekhi sovrem. biol. 1957, 44, No 3, 349-361.

Abstract

: In a series of microscopic sections, sthined with cresylviolet, a study was made of the subcortical auricular formations in the dog (D), brain weight 95 g., and in the Mangoby monkey (M), brain weight 95 g. The total volume of all subcortical formations proved to be significantly greater in D than in M. The results of the measurements (in mm3) were: auditory tubercle - in D, 4.01, in M, 0.53; ventral auditory nucleus: in D, 8.19, in M, 2.58; superior olivary body:

Card 1/2

AUTHORS:

25-2-11/43

Zvorykin, V.P. and Glezer, I.I., Scientific Workers of the Brain Research Institute of the Academy of Medical Sciences

TITLE:

An Erroneous Hypothesis (Oshibochnaya gipoteza)

PERIODICAL: Nauka i Zhizn', 1958, # 2, p 42-44 (USSR)

ABSTRACT:

In this article the author strongly criticizes and refutes the hypothesis advanced by the Polish anthropologist, A. Vertsinskiy, who believes that urbanization will result into physiological degeneration.

There is one sketch.

ASSOCIATION: Brain Research Institute of the Academy of Medical Sciences of the USSR (Institut mozga Akademii meditsinskikh nauk SSSR)

AVAILABLE:

Library of Congress

Card 1/1

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APPROVED FOR RELEASE. Thursday, September 26, 2002 CIA-RDP86-00513R00206571009-5."
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APPROVED FOR RELEASE. THURSDAY C

Conference of the Brain Institute of the Academy of Medical Sciences of the U.S.S.R. devoted to problems in the structure and function of the reticular formation and its place in the analysor system.

Arkh.anat.,gist. i embr. 35 no.5:121-124 S-0 158 (MIRA 11:12)

ZYUNIN IN APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

"Morfologieheskaya perestroyka slukhovogo znalizatora, svyazannaya s sukheniem diapazona vosprinimayemykh zvukov u primatov."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences, Moscow, 3-10 Aug 64.

Morphological bases for the unequal role of the auditory and optical analysors in the behavior of dogs and monkeys. Arkh. anat. gist. i embr. 41 no.7:28-37 Jl '61. (MIRA 15:2)

l. Laboratoriya tsitoarkhitektoniki (zav. - zasluzhennyy deyatel' nauki, prof. Ye.P.Kononova) Instituta mozga ANN SSSR. (VISION) (HEARING) (CEREBRAL CORTEX)

"APPENVED RELEASE, Thursday, September 26, 2002
APPENVED EDIC RELEASE, THURSDAY, SEPTEMBER 2002
APPENVED EDIC RELEASE, SEPTEMBER 2002
APPENVED EDIC

Biomorphological comparison of the systems of subcoritcal formation of visual and auditory analyzer in dogs. Arkh.anat.gist.i embr. (MIRA 14:5)

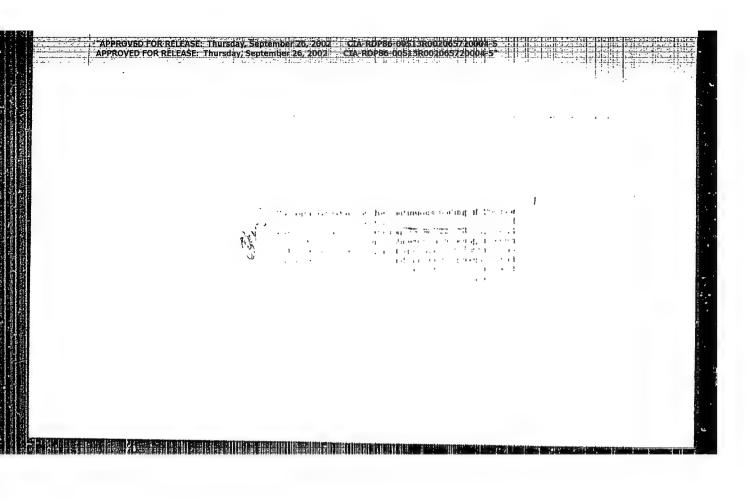
l. Laboratoriya tsitoarkhtektoniki (zav. - zasluzhennyy deyatel' nauki doktor meditsinskikh nauk prof. Ye.P.Konohova) Instituta

(BRAIN-LOCALIZATION OF FUNCTIONS)
(VISION) (HEARING)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 Y CIA-RDP86-00513R002065720004-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5"

"The Reaction of the Bladder and Intestines to Hypoxia of the Organism," Voprosy fiziol. interots., No. 1, pp 37-49, 1952.

Summary of report -D 356476



Increasing the operative efficiency of the FKS and KSA dryers. Kons. 1 ov.prom. 18 no.4:13-15 Ap 163. (MIRA 16:3)

1. Upravleniye "Kiyevenergonaladka". (Drying apparatus) "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R0020606004-5 CIA-RDP86-00513R00206004-5 CIA-RDP86-005100004-5 CIA-RDP86-005100004-5 CIA-RDP86-005100004-5 CIA-RDP86-005100004-5 CIA-RDP86-005100004-5 CIA-RDP86-

Steam expenditure in the production of alcohol from molasses and in the processing of baker's yeast. Spirt. prom. 28 no.6: 29-33 '62. (MIRA 16:1)

1. Kiyevskiy tekimologicheskiy institut pishchevoy promyshlemnosti im. Mikoyana (for Yuditskiy). 2. Upravleniye "Kiyevenergonaladka" (for Zvorykin, Anpilov).

(Distilling industries-Costs)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

ZVORYKIN, V.V.; ANPILOV, G.D.

Steam, air and water consumption in the Plakhtyanka and Nemeshayev plants of antibiotic feeds. Spirt. prom. 28 no.6:25-29 '62.

(MIRA 16:10)

1. Kiyevenergonaladka.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5" ZVORYKIN, V.V.

Automatic control of continuous cooking of raw materials. prom. 22 no.2:19-21 '56. Spirt. (MLRA 9:8)

1. Kiyevakoye upravleniye Orgprodenergo. (Distilling industries -- Equipment and supplies)
(Automatic control) ZVONY RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

0ak

Differences in the development of vegetation in stands of early and late form of cak. Dokl. AN SSSR 83 no. 1, 1952

MLRA, Library of Congress, August, 1952, UMCLASSIFIED.

*APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5"

Oak

Differences in the development of vegetation in stands of early and late form of oak. Dokl. AN SSSR 83 no. 1, 1952

SO: Monthly List of Russian Accessions, Library of Congress,

August

195%. Uncl.

- 2. USSRPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
- 4. Oak
- 7. Differences in the development of vegetation in plantation of early and late oaks. Dokl. AN SSSR 84 No. 1, 1952. rcd. 28 Feb. 1952
- 9. Monthly List of Russian Accessions, Library of Congress, September 1952. Unclassified.

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
Forestry and Forest Typology Importance of Underbrush in the Cak
Approved For Release: Thursday, September 26, 2002
Forests of the Northwestern Caucasus."
Sub 30 May 51, Inst of Forestry,

Dissertations presented for science and engineering degrees in Moscow during 1951.

so: Sum. No. 480, 9 May 55

"APPROVED FOR RELEASE: Thursday, 6estember 26, 2002 CIA-RDP86-00513R002065720004-5"
APPROVED FOR RELEASE: Thursday, 5estember 26, 2002 CIA-RDP86-00513R002065720004-5"

Recharism of copper dissolution in hydrochleric acid. Trudy 1x khim. takh. no. 1:32-35 64.

Mechanism of eiler dissolution in hydrochloric actd.
[MIRA 18:12)

1, Lubmicted Gestember 23, 1963.

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43910

Author /: Zvorykina, K. V.

Inst : Forestry Institute AS USSR

Title : Some Biological Peculiarities of the Field

Maple (Acer campestre L.)

Orig Pub: Tr. In-ta lesa. AN SSSR, 1957, 33, 132-145

Abstract: These studies were conducted in the Borisogleb forest range (Tellerman Experimental Forest).

Here maple enters the III stage where its height, depending on the conditions, reaches from 7 to 15 meters. It is distinguished by good development when it grows in oak groves. The possibility of maple propagation by cuttings or by the shoots on

Card 1/3

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43910

the stump under given tree growing conditions is noted. Depending on the advanced age of the tree stand, the character of maple growth and its tole in the composition of the tree stand and in the composition of the young trees near a wood is determined by light conditions. The dominating position passes completely to the chief forest forming varieties and the field maple is driven back to the lower tier and to young trees on the edge of the woods where the number of its skeletal axis reaches 42 thousand per hectare. This process is connected with maintenance felling. Particularly after these fellings the number of shoots is increased. The presence of a large number of maple trees under a canopy (resulting in a flat crown, short life span, early arrest of

Card 2/3

K-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43910

the growth in height in the majority of skeletal axes) characterizes it as edge of the woods variety. However, under favorable conditions the growth of individual skeletal axes of the maple in the III and even II height level area may occur. The feasibility of the field maple being part of the wood-margin trees and the main height level area is emphasized. -- V. V. Protopopov

Card 3/3

Appropriate Loss Investory, September 26, 2002

CIA-RDP86-00513R002065720004-5

Appropriate Loss Investory, September 26, 2002

CIA-RDP86-00513R002065720004-5

Effect of tree and shrub species regenerated by sprouts on the development of oak stands. Trudy Inst. less 33:119-131 '57.

(Reforestation) (Oak)

(NIRA 10:10)

"APPROVED FOR RELEASE - Inursday, September 26, 2002 CIA-RDP86-00513R002065720004-5"

Biological characteristics of the common maple (Acer campestre L.)

Trudy Inst. lesa 33:132-145 '57.

(Maple)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5" CIA-RDP86-00513R002065720004-5"

BIOLOGY: Plant ecology

VDAN 49-66-4/713-16

I

II Associated with Institute of Forestry

DAN 49-66-4/713-16

III

IV *Coauthor with I N Yelagin "Supplies of Litter in Certain Types of Broad-Leaf Forests of the Foothills of the Northwestern Caucasus"

DAN 49-64-5/715-18

Coauthor with I N Yelagin "Illumination Under the Canopy of Certain Types of Broad-Leaf Forests (Northwest Caucasus)"

DAN 49-66-4/713-16

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00313R002065720004-5

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00313R002065720004-5

"Differences in the development of vegetation in stands of early and late form of oak." Dokl. AN SSSR 83 no. 1, 1952

SO: Monthly List of Russian Accessions, Library of Congress,

1951, Uncl.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5"

ABACCIACTION of early and late oak types with the ralief elements.

[zv. Vses. geog. ob-va 97 no.3:257-290 Ny-Je 65. (MIRA 18:8)

"APPROVED FOR RELEASE; Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CPARTIES OF THE PROPERTY OF

Early spring aerial chemical spraying of shrubs. Zemledelie 27 no.4175-77 Ap 65. (MIRA 18:4)

1. Severnyy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii.

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
MIROFOL'SKAYA, Nina Konstantinovna; ZVORYKINA, L.N., red.

[Safety manual for operation of road machinery and equipment] Pamiatka po tekhnike bezopasnosti pri rabote na dorozhno-stroitel'nykh mashinakh i mekhanizmakh. Moskya, Stroiizdat, 1964. 32 p. (MIRA 17:8)

"APPROVED FOR RELEASE: Thursday, September 26, 2002
ARPROVED FOR RELEASE: Thursday, September 26, 2002
BOLCBAN, Nikolay Aleksandrovich, kand.tekhn.nauk; ZVORYKINA.L.N., red.

[Safety manual for operators of tower cranes] Famintka
po tekhnike bezopasnosti dlia mashinista bashennogo krana. Izd.2., perer. i ispr. Moskva, Stroizdat, 1964.
38 p.

(MIRA 17:7)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5" CIA-RDP86-00513R0020607 CIA-RDP86-00512R007 CIA-RDP86-00512R007 CIA-RDP86-00512R007 CIA-RDP86-00512R007 CIA-RDP86-00512R007 CIA-RDP86-00512

[Safety manual for operators of equipment for churn drilling] Pamiatka po tekhnike bezopasnosti dlia mashinista stanka udarno-kanatnogo bureniia. Moskva, Stroiizdat, 1964. (MIRA 17:6)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP8G-00513R002065720004-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP8G-00513R002065720004-5
EONDAR!, Yevgeniy Petrovich, inzh.; ZVORTKINA, L.M., red.

[Safety manual for assembling reinforced concrete
elements] Pamiatka po tekhnike bezopasnosti dlia
montaznika zhelezobetonnykh konstruktsii. Ind.2.,
ispr. i dop. Moskva, Stroitzdat, 1962. 31 p.

(MIRA 17:6)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

KLOCHANOV, Petr Nikolayevich; EYDINOV, Yuriy Solomonovich; ODINOKOV, S.D., kand. tekhn. nauk, nauchn. red.; ZVORYKINA, L.N., red.

[Painting, glazing, and facing operations] Maliarnye, stekol'nye i oblitsovochnye raboty. Moskva, Stroiizdat, 1964. 313 p. (MIRA 18:2)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5

APPRIARATEURERIFA, INTROLEY PROVOVICH; ZV HYRINA, L.N., red.

[Safety mamual for worker: assembling mining | uipment]

Pamtatka po tekhnike bezopasnosti dita ranchikh po

montazhu gornorudnogo oborudovaniia. Moskya, Stroiiz
dat, 1964. 29 p. (MIRA 17:9)

[Safety manual for the assembler of tower cranes construction] Pamiatka po tekhnike bezopasnosti dlia montazhnika stroitel nykh bashennykh kranov. Izd.2., perer. i dop. Moskva, Stroitzdat, 1964. 46 p.

(NIRA 17:6)

"APPROVED FOR RELEASE: Thursday, September 26, 2002
AFBOLOBAN, RIFASE Thursday, September 26, 2002
CIA-RDP86-00513R002065720004-5
CIA-RDP86-00513R002065720004-5 VELIKOTSKIY, Aleksandr Nikolayevich; MACHABELI, Shota Levanovich; RUFFEL!, N.A., nauchn. red.; ZVORYKINA, L.N., red.; MIKHEYEVA, A.A., tekhn. red.

[Assembling precast concrete structures] Montach sbornykh zhelezobetonnykh konstruktsii. [By] N.A. Boloban. i dr. Moskva, Gosstrolizdat, 1963. 344 p. (Precast concrete construction)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R0020657200

[Preparation of formwork in industrial construction] Opalubochnye raboty v promyshlennom stroitel stve. Moskva, Gosstroiizdat, 1963. 311 p. (MIRA 16:11) "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5 RUBINCHIK, A.M.; EYLER, S.A., nauchn. red.; ZVORYKINA, L.N., red.; BOROVNEV, N.K.,

[Construction of cofferdams and caissons] Stroitel'stvo opusknykh kolodtsev i kessonov. Moskva, Gosstroiizdat, (MIRA 17:1) opusknykn kol 1963. 247 p. (Cofferdams)

(Caissons)

"APPEARP FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
APPROVED FOR REVEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5

A.A., tekin. red. ZWIKI INA L. N., red.; MIKHEYEVA,

[Safety manual for blasters (in open areas)] Pamiatka po tekhnike bezopasnosti dlia vzryvnika (na otkrytykh rabotakh) Izd.w., perer.i dop. Moskva, Gosstroiizdat, 1963. 29 p.

(Blasting-Safety measures)

(MIRA 16:9)

"APPROVED FOR RELEASE; Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 APPROVED FOR RELEASE; Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 red. CIA-RDP86-00513R002065720004-5 red. Rand. med. nauk; ZVORIKINA, L.II.

[Industrial hygiene in a cement factory] Gigiena truda na tsementnom zavode. Moskva, Strolizdat, 1964. 46 p. (MIRA 17:5)

"APPROVED FOR RELEASE, Thursday, September 26, 2002
APPROVED FOR RELEASE, Thursday, September 26, 2002
TARKHOVA,

[Rigger-signalman's safety manual] Pamiatka po tekhnike bezopasnosti dlia takelazhnika-signal'shchika. Izd.2., ispr. i dop. Moskva, Gosstrolizdat, 1963. 45 p. (MIRA 17:3) Approved for Release Through September 26, 2002 CIA-RDP86-00513R002065720004-5
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"APPROVED FOR RELEASE: A hursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

One way to metallize Seignette's salt. Trudy LKI no.28:199-201 (MIRA 15:5)

1. Kafedra fiziki Leningradskogo korablestroitel'nogo instituta.

(Rochelle salt) (Metal spraying)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CTA-RDP86-00913R002009/20004-5 CIA-RDP86 SOURCE CODE: UR/0020/66/168/003/0564 AUTHOR: Myasnikov, L. L.; Zvorykina, R. A. Leningrad Shipbuilding Institute (Leningradskiy korablestroitel nyy institut) B TITLE: Magnetoacoustic effect in aluminum alloys Doklady, v. 168, no. 3, 1966, 564-566 TOPIC TAGS: aluminum alloy, magnetoacoustic effect, acoustic absorption, torsional vibration, acoustic resonance, solid solution, grain structure ABSTRACT: To check on the hitherto uninvestigated increase of the phase velocity and increase of absorption of torsional sound waves in alloys, the authors prepared aluminum alloys with different contents of iron impurity - of the order of tenths and hundredths of one per cent. Plates of equal dimensions were tested (130 x 7.5 x 2 mm), fastened precisely at the vibration node, tuned to odd harmonics, and excited by resonance with torsional oscillations from X-cut Rochelle salt crystals. The resonance curve was plotted by producing beats from two sound generators with a constant frequency difference of 50 cps. When a constant magnetic field was applied, the resonant frequency was different from that without a field. The relative change of phase velocity was determined from the change in the resonant frequency, and the damping of the torsional oscillations was estimated from the relative logarithmic decrement of the oscillation with and without the field. The results show that the magnetoacoustic effect depends on the grain dimensions, density, chemical composition, and other fac-

1/2

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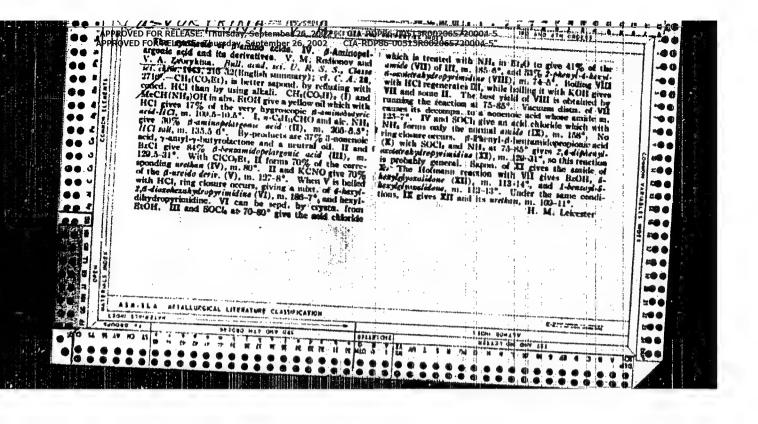
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APPROVED FOR RELEASE, Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5

Students' experiments on the use of antibiotics in poultry farming.
Politekh. obuch. no.8:86 Ag '59. (HIPA 12:10)

l. Kuybyshevskiy oblastnoy institut usovershenstvovaniya uchiteley.

(Poultry breeding) (Antibiotics)

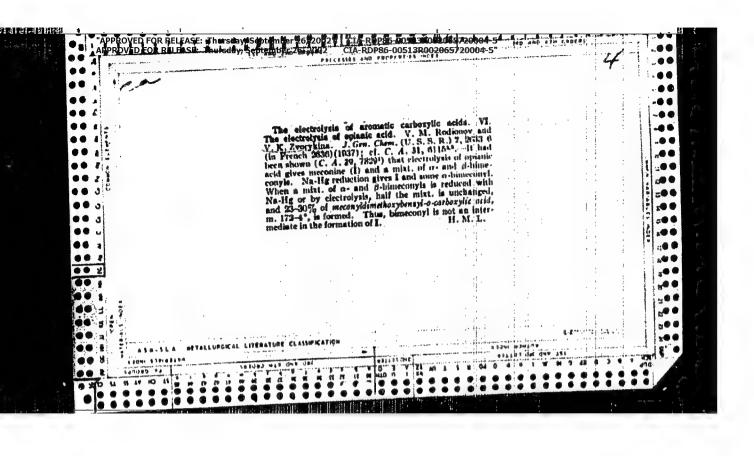


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"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
ZV()RYKINA, V.B. [deceased]; STOL'NIKOVA, N.M.; Devyatnin, V.A.

A study of the reaction of furfurole with aniline and its use in making a qualitative evaluation of vitamin preparations. Trudy VNIVI 5:200-204 54. (MLRA 9:3)

1. Khimiko-analiticheskava laboratoriya.
(ASCORBIC) (FURALDEHIDE) (ANILINE)



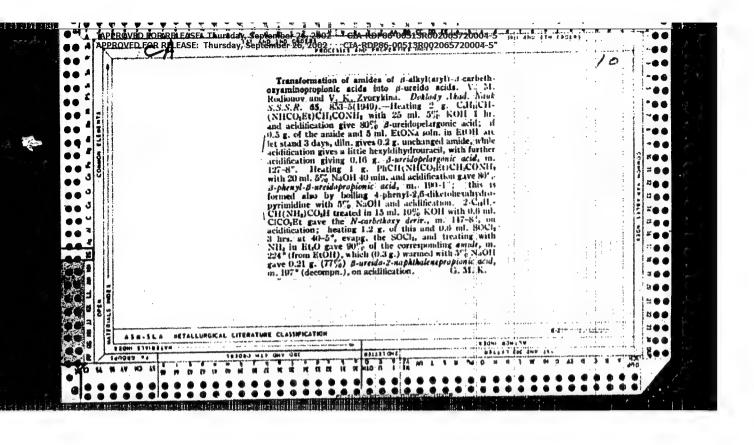
Acylation reactions. V. M. Rodionov and V. K. Zvorykina, Doblody Akad, Nanh S.S.S.R. 57, 583-6 (1947); Them. Zentr. (Russian Zone Ed.) 1948, II, 955-Attempts to prep. 2-phenyl-4-hexyl-6-oxobetrabyth-pyrimidine by the action of AcyO on 6-henarmidopelargonamide yielded 2-methyl-6-hexyl-6-oxobetrabyth-opyrimidine, Callic II. Therefore

the action of Ac₂O on other acyl compils, was investigated. Boiling BaNHPh with Ac₂O and treating the reaction-product with bolling water yielded acclamifide. PhCH₁-CONHPh treated in like manner yielded AcNHPh. The following esters were prepd. by heating the corresponding acylaminopelargonic acids with alc. and H₂SO₂. Et B-acttamidopelargonic acids with alc. and H₂SO₂. Et B-acttamidopelargonic [II], thin needles from petr. ether, m. 49-50°, b. 174-5°. B-Benzamido analog (III), fine needles from ether-petr. ethar, m. 62°, b. 218-19°. Treating III with Ac₂O and proceeding as above yielded II. B-(Phenylacetamido) pelargonic acid (IV), obtained from the amino acid with PinCH₂COI in 10% KOH at 0-8°, needles from ether-petr. ether or from aq. alc., m. 103-3°, readily sol. in Et₂O. Treatment of IV with SOCI₃ at 40° and then with NII, yielded the amide (V), needles from alc., m. 182°, Heating V with Ac₃O yielded I, n. 81°, M. G. Mourn

. DP86-00513R002065720004-5

DP801 (1900) Be 48. Askil 50. 11 (19.1), DP101

3 hrs. with 5 cc. BrCl, wished with old the NaOH, and the EtO soln, of the residue washed with old. NaOH, and the EtO soln, of the residue washed with old. NaOH, and the EtO soln, of the residue washed with old. NaOH, and revaple, gave 0.53 g pure (and 0.21 g, crude) 2-phonyd-heryd-disordetahydropyrisudane. In. 71 (from EtO) petr. ether). Reflating 12.8 g d-carbethoxy ordino petrargonamide 8 hrs. with 80 ml, AcO, removal of the excess AcO, boding the residue 0.5 hr. with 75 ml. HyO, and soln, in EtO) gave 2.1 g, starting naterial and 2.5 g corresponding acid (insol, in EtO), while distin, of the EtO-8xt, gave 4.8 g, od, by 17 d, on "1 15.5", (1") 0 00003; the latter (1.1 g.) boded with 22 g, 30°5, NaOH gave 0.3 g-antimopelargonic acid (from NaOH) shot, by faint acid fection by HCl) and 0.1 g. (i-antinomonamon), arbiting acid, in. 123° (by further aciditication with AcOH); this established the structure of the above-described oil as 1-acrtyl-2-thoxy-4-kryd-disordeta/hyle-pyrimidine. The following derivs, were jurgal by the 50°Cil. StI, procedure as detaited above: CallaCH(NHB)CH(COMB (200°C), StI, procedure as detaited above: CallaCH(NHB)CH(COMB (200°C), stiff on dil. BOH); of 3-phonyd-4-kryd-disordetrahydropyrimidine (84%), needles, in. 74°S (from dil. BOH); of 3-phonyd-4-kryd-disordetrahydropyrimidine (84%), needles, in. 74°S (from HOH), needles, in. 103° (from HOH); are curresponding Accomple, gave only the amide, in. 220°, needles (from BOH), in 93°C (1-phonyd-4-phonyd-6-organidane, needles, in. 103° (from BOH); in 93°C (1-phonyd-4-phonyd-6-organidane, needles, in. 200°C (1-phonyd-4-phonyd-6-organidane), needles, in. 200°C (1-phonyd-4-phonyd-6-organidane), needles, in. 200°C (1-p -00 --aminopelargonic acid gives not a Ph deriv. of tetrahydro-pyrimidine, but a Mc deriv., i.e. the Bz group is replaced by Ac; such transacvation gives quant, yields of AcN-HPh from BzNHPh and PhOAc. B. Immopelargenic acid (10 g.) in 120 cc. 10 p. NaOH was treated shopnise with 10.1 cc. AcyO at 5 10 p. iet stand 1 hr., and achified with HCl to Congo red, giving 75% Ac deriv., m. 101-2" (from dll. RtOH). This (0 g.) with the theoretical annt. of SOClibeated to 40-5", the residual SOCli removed in cusuo, and the residue in benzene or Rto treated with dry NH, gave 81% Bustonialopelargonamida, needles, m. 170". *** ---. *** F. . 40 B ... This (1.7 g.), boiled 3 hrs. with 10 cc. Ac₃O, the excess Ac₂O removed in nature, and the residue boiled 0.5 hr. with 25 cc. It[O and couled, gave 75° o 2-nethyl-4-hexyl-6-axotetrahydroper-maline (1), needles, in. R** (from It[O) petr. ether, after washing with 5° Sattll]); hydrolysis of this by 5° Sattll gave 3 arctanidopelargenic acid, in 101°. Boiling 5 g. 3-henzaundopelargeniamide (11) arrs. with 40 cc. Ac₃O and treatment as above gave 1.7 g 1 1100 * • • *.. Chimico Tech. Inst inti Bheidelegher



The Hofmann reaction III. Reaction of, acylated amides of a amisopolargonic acid with alkaline hypothomies. V. M. Rodinmy and V. K. Zvorykijia. Inciding to M. S. S. R. (Idel. Khim: "Visit 1950, 498-20; that S. S. R. (Idel. Khim: "Visit 1950, 498-20; that S. S. R. (Idel. Khim: "Visit 1950, 498-20; that S. S. R. (Idel. Khim: "Visit 1950, 498-20; that S. S. R. (Idel. Khim: "Visit 1950, 498-20; that the S. S. R. (Idel. Khim: "Visit 1950, 498-20; that anites of dominopalargonic acid proceeds through the formation of acidity substituted hydrations. Thus a similar substituted acids is opened. Thus a minimal continuous of the results are discussed in the light of prevalent with the Astronomy acids is opened. The possible to atment of 7 ml. Hr. 25 lbs. Schlosoff. (Idel. 177, 2416) and heating the solution as steam bath to 35 system to the solution of the asystem of the Astronomy and a steam bath to 35 system to the solution of the asystem of the solution of the solutio

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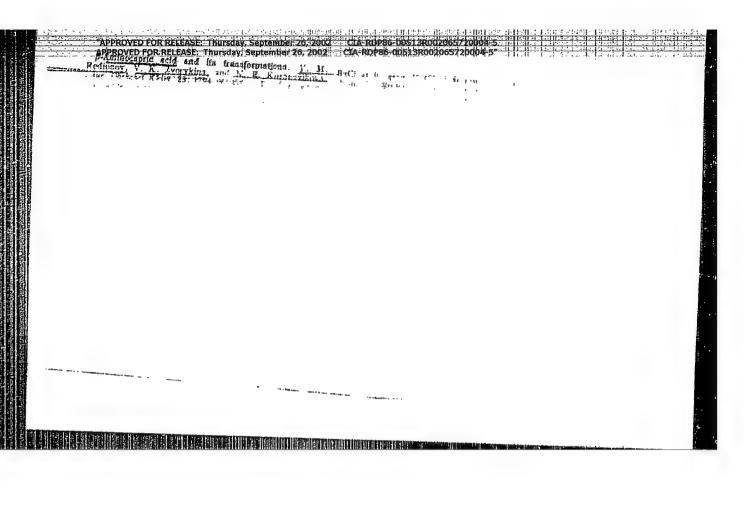
oil yielded 1.24 g. V. 0.015 g. \(\theta\) (embethoxyaning plargoin with some HCN, and a old mis 121.2", which is also obtained among the publices of hydrolysis of I with an KOH, and which is given the proviounal formula, CellaCH.

KOH, and which is given the provisional formula, Callicette, MRCO-ROCH-NHCOS Cr. (O) SH CH(Callic) CH₂ Callicette MRCO-ROCH-NHCOS Cr. (O) SH CH(Callic) CH₂ Callicette MRCO-ROCH-NHCOS Cr. (O) with 3.1 ml. Br. in 72 g. kCH and 72 ml. Hat similarly gave after rapid conditions when the "assationed to the win a 10.7 1.20 g. V. 1 ml. 1.3 when the "assationed to the win a 10.7 1.20 g. V. 1 ml. 1.3 ml. 1.3

Carba 21"ARPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

General method of obtaining B-semi-carbazide acids. Dokl. AN SSSR, 85, No. 3, 1952

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.



"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
The work of Academician V.M.Rodionov in the field

The work of Academician V.M.Rodionov in the field of -amino acids. Soob.o nauch.rab.chl.VEHO no.4:5-21 '54. (MIRA 10:10)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5

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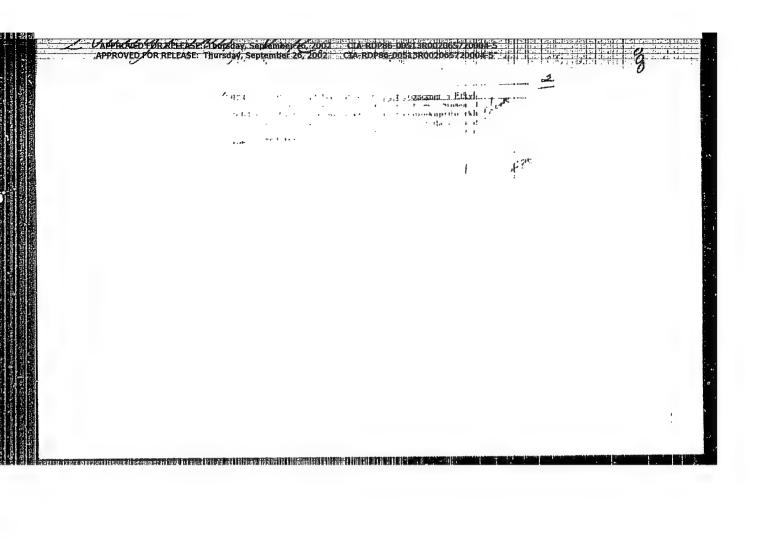
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APROVED ROW, ELVAN FOR THURSDAY, SEPTEMBER 2002 CIA-RDP86-00513R00206572004-5

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APROVED ROW, ELVAN FOR THURSDAY, SEPTEMBER 2002 CIA-RDP86-00513R00206572004-5

APROVED ROW, ELVAN FOR THURSDAY, SEPTEMBER 2002 CIA-RDP86-00513R002065720



E-2

USSR/Organic Chemistry - Synthetic Organic Chemistry

Referat Zhur - Khimiya, No 2, 1957, 4409 Abs Jour

Author Title

Rodionov, V.M., Zvorykina, V.K. Syntheses of Pyrimidine Series. II. Conversion of Diastereoisomeric Gamma-Ethyl-Beta-Aminocaprylic Acids

to Substituted Tetra- and Hexahydropyrimidines.

Zh, obshch. khimii, 1956, 26, No 4, 1165-1169 Orig Pub

Isomeric gamma-othyl-beta-ureidocaprylic acids (Ia,b) are obtained from the two diastercoisomeric gamma-Abstract ethyl-beta-aminocaprylic acids (IIa,6) by three procedu-

res: a) heating of II with KCNO; b) heating of amides of N-carbethoxy-derivatives of II with alkali; c) saponification of 4-(1'-ethylpentyl)-2,6-dioxohexahydropyrimidines (IIIa,b). By boiling with HCl (acid) I are converted to III. Action of SCCl2 followed by NH3 on N-benzoyl derivatives of IIa,b, Gives 2-phenyl-4-(1'-

ethylpentyl)-6-oxotetrahydropyrimidines (IVa,b).

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Card 1/3

USSR/Organic Chemistry - Synthetic Organic Chemistry

E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4409

Heating of diastereoisomeric amides of gamma-cthyl-beta-(N-acetylamino)-caprylic acids (Va,b) with (CH₂CO)₂O gives 2-methyl-4-(1'-ethylpentyl)-6-oxotetrahydropyrimi-dines (VIa,b). From 12 g N-carbethoxy-IIa (prepared in usual manner from IIa, yield 74%, MP 60-61° (from petro-leum ether)) by heating with 5 ml SOCl₂ at 40° for 3 nours, driving off excess SOCl₂ in vacuum, adding 500 ml ether and saturating with NH₃, is obtained the amide of N-carbethoxy-IIa, yield 68%, MP 146° (from water). Analogously from N-carbethoxy-IIb (prepared from IIb, yield 70%, MP 63-64° (from alcohol-petrolcum ether)), is prepared amide of N-carbethoxy-IIb, yield 70.6%, MP 144° (from water). 1 g of the amide thus obtained, in 20 ml 10% solution of NaOH, boiled until dissolved, acidified to get Ia, yield 86%, MP 142° (from water) or Ib, yield 0.85 g, MP 169° (from alcohol), respectively. On heating IIa,b with solution of KCNO the yield of I is 85 and 76%,

Card 2/3

USSR/Organic Chemistry - Synthetic Organic Chemistry

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4409

respectively. I boiled with 12% solution HCl, for 3 hours; yield of IIIa 67%, MP 1520 (from water); yield of IIIb 80%, MP 145-1460 (from water). 5 g N-benzoyl-II heated with 3.75 ml SOCl₂ at 75-800 for 3 hours, SOCl₂ driven off, added ether and saturated with NH₃; yield of IVa 44.8%, MP 1250 (from aqueous alcohol); yield of IVb 62%, MP 1230 (from aqueous alcohol). To mixture of II and 10% solution NaOH added (CH₃CO)₂O; yield of N-acetyl-IIa 81-3%, MP 1180 (from water); yield of N-acetyl-IIb 78. 8%, MP 1170 (from water). By action of SOCl₂ and NH₃ on the latter there are obtained Va, yield 89.3%, MP 1950 (from alcohol), and Vb, yield 77.6%, MP 1750 (from alcohol). Mixture of 1.5 g V and 30 ml (CH₃CO)₂O boiled 4 hours, (CH₃CO)₂O driven off; yield of VIa 76%, MP 920 (from aqueous alcohol); yield of VIb 70%, MP 86-870 (from ether).

Card 3/3

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

RODIOROV, Vladimir Mikhaylovich, akademik [deceased]; ZVORYKINA, V.K., sostavitel; KISELEVA, V.V., sostavitel; FRIDROVA, A.M., [translator]; KNUNYANTS, I.L., akademik, otv.red.; SHEMYAKIN, M.M.; akademik, otv.red.; SHVETSOV, Yu.B., red.isd.; POLENOVA, T.P., tekhn.red.

[Selected works] Isbrannye trudy. Moskva, Isd-vo Akad. nauk SSSR. 1958. 792 p. (Chemistry, Organic) (MIRA 12:2)

AUTHORS:

Gol'dfarb, Ya. L., Zvorykina, V. K.

SOV/62-58-6-15/37

TITLE:

gamperatelista))Estent Investigation of the N-Oxides of Some Heterocyclic Bases (Izucheniye N-okisey nekotorykh geteroteiklicheskikh osnovaniy) Communication I. On the Production and Properties of Nicotine Oxides (Soobshcheniye 1:0 poluchenii i

svoystvakh N-okisey nikotina)

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PERIODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1958, Nr 6, pp. 748-755 (USSR)

ABSTRACT:

Three types of oxides can be produced from nicotine: Pl-N-oxide, Py-N-oxide, Py,Pl-N-dioxide. Most papers on nicotine oxidation deal with the compounds of the first type. The authors begin by mentioning the papers by Pinner and Wolfenstein (Vol'fenshteyn) (Ref 1) Auerbach (Auerbakh) and Wolfenstein (Ref 2), Weil (Veyl') (Ref 4), Hains (Khayns) and Eisner (Eyzner) (Ref 5) and other authors. The present paper deals with the investigation of the reaction of the oxidation of nicotine H202, on which occasion all three N-oxides were obtained in form of crystals. Of these, nicotine-Pl_Py-dioxide

and nicotine-Py-N-oxide have as yet not been described in

Card 1/2

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

Investigation of the N-Oxides of Some Heterocyclic SOV/62-58-6-15/37 Bases. Communication I. On the Production and Properties of Nicotine Oxides

published works. Pl-Py-dioxide was obtained as a crystal hydrate (with 2 water molecules and a water-free base), as monopicrate, dichlorohydrate, and mercury complex. For the Py-monoxide of nicotine a crystal base, dichlorohydrate, dipicrate, and a mercury derivative were obtained. For nicotine-Pl-N-oxide, which had already been obtained by Pinner (under the name of "Oxynicotine") the authors obtained a hitherto not described chlorohydrate; the water-free base was separated. There are 11 references, 1 of which is Soviet.

ASSOCIATION:

Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy AS, USSR)

SUBMITTED:

December 13, 1956

1. Nicotine oxides—Production 2. Nicotine oxides—Properties

Card 2/2

AUTHORS:

Zvorykina, V. K., Alashev, F. D., Gol'dfarb, Ya. L.

62-58-6-29/37

TITLE:

The Production of N-Oxides of N-Methylanabasine (Polucheniye N-okisey N-metilanabazina)

PERIODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1958, Nr 6, pp. 788 - 790 (USSR)

ABSTRACT:

Continuing the investigation of the N-oxides of bi-tertiary cyclic bases (Refs 1,2), the authors carried out the oxidation (by means of hydrogen peroxide) of N-methylanabasine. Bases of the N-oxides of N-methylanabasine which had hitherto not been described in published works, viz. N,N!-dioxide, Py-N-oxide, and Pi-N-oxide, as well as the picrates and hydrochlorides of these oxides were obtained. The structure of the N-oxides of N-methylanabasine was determined by reduction by means of zinc and hydrochloric acid in N-methylanabasine (and was identified as a di-picrate). There are 4 references, 2 of which are Soviet.

Card 1/2

The Production of N-Oxides of N-Methylanabasine

501/62-58-6-29/37

ASSOCIATION: Institut organicheskoy khimii im. N.D.Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N.D.Zelinskiy, AS USSR)

SUBMITTED:

January 29, 1958

1. Nitrogen oxides--Production

2. Cyclic compounds—Oxidation

Card 2/2

AUTHOR SE

Gol dfarb, Va. L., Zvorykine, V. b.

sov/62-58-7-21/36

TITES:

The Production of the N-Oxides of a- and a'-Aminonicotine (Polucheniye N-okisey :- i a'-aminonikatina)

PERTODICAL:

Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk, 1958, Nr 7, pp. 900-903 (USSR)

ABSTRACT:

In previous articles the authors described the N-oxides of nicotine (Ref 1) and N-methylanabasin. The investigations in the field of the nicotines tere continued by the description of the production of various N-oxides of the benzoyl-o'-aminonicotine given in this paper. Purthermore (in the saponification of the latter by means of hydrochloric acid) they dealt with the production of the N-oxides of the corresponding a'-aminonicotines. Analogous to the N-oxides of the q-aminonicotines, Analogous to the N-oxides of the q-aminonicotines, analogous to the N-oxides of the g-aminonicotines, analogous to the N-oxides of the g-aminonicotines of the described by Adams and Miyano, hef 5, Kartitskiy, Ref 6) Pl.Fy-dioxides and Py-monoxide are amphoteric compounds which dissolve only in caustic alkali and mineral acids.

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307/62-58-7-11/26

The Production of the N-Oxides of "- and a'-Aminonicotine

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii

nauk sosk

(in ditute of Cegana Chemistry ironi N. D. Zelinskiy, AS UCSA)

JUNEAUT W: Pebruary 28,- 1993

Gazzi o in

AUTHORS:

Zvorykina, V. K., Neyland, O. Ya.

SOV/62-58-9-13/26

TITLE:

Concerning Several Conversion Products of the Diastereoisomers of γ -Ethyl- β -N-Carbethoxyaminocaprylic Acid (0 nekotorykh produktakh prevrashcheniya diastereoizomernykh γ-etil-β-N-karbetoksiaminokaprilovykh kislot)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1958, Nr 9, pp 1099 - 1103 (USSR)

ABSTRACT:

In the previous papers the authors reported the preparation of two diastereoisomers of γ -ethyl-(3-aminocarrylic acid, which were referred to as A_1 and A_2 in these papers. Also prepared were several derivatives and transformation products (Refs 1-3). In testing these compounds biologically it was found that several of them (especially isomer A2) had bacteriostatic properties. The authors were therefore interested in carrying out further, similar investigations to test the chemical and biological properties of these compounds. To do this, however, it was necessary that the molecular configurations

Card 1/2

be maintained and that substitution take place at the

Concerning Several Conversion Products of the S07/62-58-9-13/26 Diastereoisomers of γ -Ethyl- β -N-Carbethoxyaminocaprylic Acid

functional groups. Therefore the authors prepared diastereoisomers (A₁ and A₂) of γ -ethyl- β -(ω -phenylureido) caprylic acid, γ -ethyl- β -semicarbazidocaprylic acid, and 1-phenyl-4-(1-ethylpentyl)-2,6-dioxohexahydropyrimidine. For the synthesis of these compounds the reactions discovered by Rodionov and Zvorykina (Ref 4) were used. In addition to these reactions (in order to compare the yields) the isomers of these compounds were prepared by the method of Longfield and Stieglitz (Longfel'd and Shtiglits) (Ref 8), by reacting phenyl isocyanate with γ -ethyl- β -aminocaprylic acid (Ref 3), and by the hydrolysis of 1-phenyl-4-(1-ethylpentyl)-2,6-dioxohexahydropyrimidine (Ref 4), respectively. There are 8 references, 7 of which are Soviet.

ASSOCIATION:

Institut organicheskoy khimii im.N.D.Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N.D.Zelinskiy, AS USSR)

SUBMITTED:

February 2, 1957

Card 2/2

CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

GOL DFARB, Ya.L.; ALASHEV, F.D.; ZVORYKINA, V.K. [decensed]

Preparation of anabasine Py-N-oxide. Izv. AN SSSR Ser. khim. no.12:2241-2242 D 64 (MIRA 18:1)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5"

GOL'DFARB, Ya. L.; ALASHEV, F. D.; ZVORYKINA, V. K.

Oxidation of anabasine by hydrogen peroxide. Izv. AN SSSR Otd. khim. nauk no.1282209-2216 D 62. (MIRA 16:1)

1. Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR.

(Anabasine) (Hydrogen peroxide)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
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CIA-RDP86-00518-5
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CIA-RDP

Ultraviolet absorption spectra of some pyridine and nicotine derivatives. Report No.4: Absorption spectra of No.4: Absorption spectra of No.4: nicotine and No.4: Absorption spectra of No.4: Absorption spectra of No.4: nicotine and No.4: Absorption spectra of No.4: Absorption spectr

1. Institut organicheskoy khimii imeni N.D.Zelinskogo Akademii nauk SSSR.

(Pyridine) (Piperidine)

** APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

MAYRA MOVSKIY, S.G.; BARASHKOVA, M.V.; ALASHEV, P.D.; ZVORYKIMA, V.K.

Polarographic study of M-oxides of anabasine and M-methylana-basine. Izv.AN SSSR Otd.khim.nauk no.5:938-940 My 160.
(MIRA 13:6)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo Akademii nauk SSSR.

(Anabasine)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R00206671900065VA, N.M. APPROVED FOR RELEASE: Athursday, N.M. Caleboas Col. 1 R002065720004-5.

Vitaminization of vegetable oils. Trudy VNIVI 5:193-195 (MLRA 9:3)

1. Khimiko-analiticheskaya laboratoriya.

(OILS AND TATS) (VITAMINS)

**APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

DEVYATNIH, V.A.: ZVORYKINA, V.V. [deceased]; STOL'HINOVA, H.M.

Effect of moisture on the decomposition of vitamins C and B₁ in preparations. Trudy VNIVI 5:42-46 '54. (MLRA 9:3)

1. Khimiko-analiticheskaya laboratoriya.
(ASCORBIC ACID) (THIAMINE)

APPROVED FOR RELEASE: Thursday, September 26, 2002
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IOSIKOVA, V.M.; KRAVCHINA, L.N.; ZVORYKINA, V.Y.

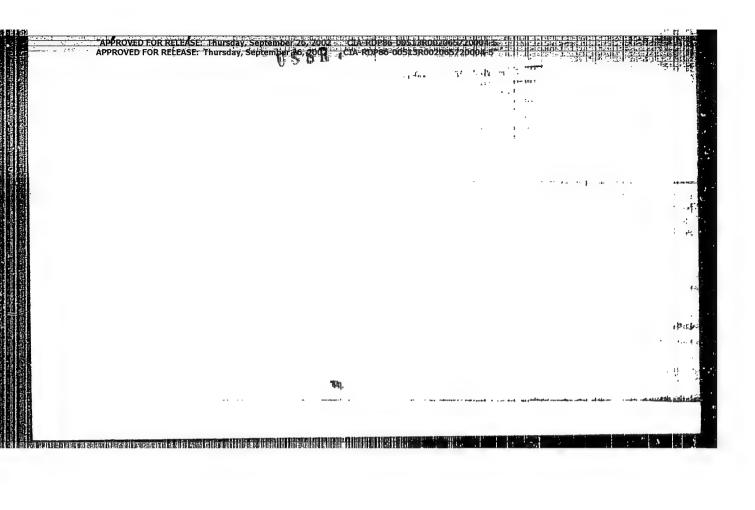
Study of the stability of vitamins in the polyvitaminic dragee.

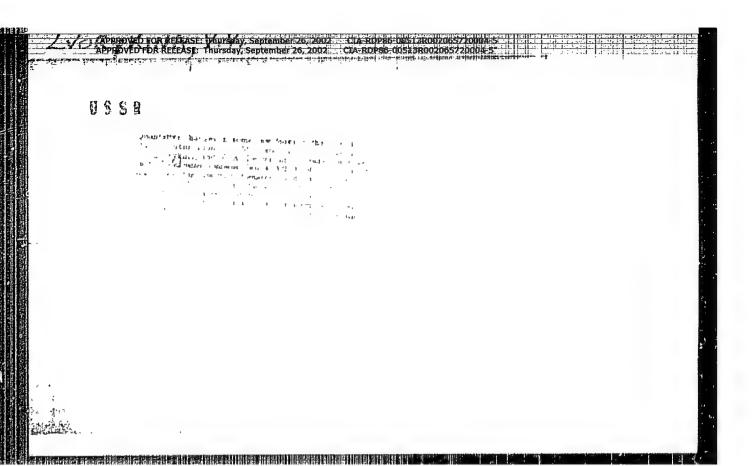
Trudy VNIVI 6:131-136 '59.

(MIRA 13:7)

1. Vsesoyuznyy nauchuo-issledovatel skiy vitaminnyy institut.
Khimiko-analiticheskaya laboratoriya.
(VITAMINS)

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"APPROVED FOR RELEASE: Thursday, September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002 KUTEPOV, O.S.; ZVORYKINA, Ye.K.

Short-cut method for calculating the production norms of workers, and the coefficient of output and operative efficiency of the weaving equipment. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.3: 3-14 '62. (MIRA 17:10)

1. Leningradskiy tekstil'nyy institut imeni Kirova.

"APPROVED FOR RELEASE: Thursday, September 26, 2002
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CIA-RDP86-00513R002065720004-5
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Inshener:

TRIDMAN, I., inzhener; ZVOZSKOV, B., inshener.

An automatic truck tilter. Awt. transp. 33 no.3:33 Mr 155.
(Mctor trucks) (MLRA 8:5)

"APPROVED FOR RELEASE: Thursday, September 26, 2002

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IL'IN, M.I.; ZVOSKOVA, N.S., starshiy agronom; LEYN, Z.Ya.; ZVYAGINTSEVA,

Ye.I.; MARINICH, T.Ye., red.; ZABORSKIY, N.I., red.; PECHENKIN,

I.V., tekhn. red.

[New corn hybrids Bukovine 3 and Bukovina 2; results of stale crop variety tests] Novye gibridy kukuruzy Bukovinskii 3 i Bukovinskii 2; rezul'taty gosudarstvennogo sortoispytaniia. Moskva, Izd-vo M-va sel'. khoz. SSSR, 1960. 45 p. (MIRA 14:8)

1. Russia(1923- U.S.S.R.) Gosudarstvennaya komissiya po sortoispytaniyu sel'skokhozyaystvennykh kul'tur. 2. Zaveduyushchaya
khimicheskoy laboratoriyey Gosudarstvennoy komissii po sortoispytaniyu sel'skokhozyaystvennykh kul'tur pri Ministerstve sel'skogo khozyaystva SSSR (for Leyn). 3. Zamestitel' predsedatelya
Gosudarstvennoy komissii po sortoispytaniyu sel'skokhozyaystvennykh kul'tur pri Ministerstve sel'skogo khozyaystva SSSR (for
Marinich).

(Corn (Maize) -- Varieties)

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
ZVOSKOVA, M.S.; LAPPO, A.A.

Survey of the achievements of master corn growers. Zemledelie 6 no.12: 37-41 D '58. (MIRA 11:12)

(Corn (Maise))

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
ZYOSKOYA, N.S.

Examples of displays from the corn exhibit. Zemledelie 6 no.3:95
Hr 158.

(Corn (Maize))

ZVUKOV, N. M., insh.

Tracks in Czechoslovakian open-pit mines. Ugol 38 no.4:56-57 Ap 163. (MIRA 16:4)

(Czechoslovakia-Mine railroads-Track)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5
ZVUKOV, N.M., inzh.

Railroad tracks in the metallurgical and machinery plants of Czechoslovakia. Zhel.dor.transp. 44 no.8:88-93 Ag 162.

(MIRA 15:8)

(Gzechoslovakia—Industrial railroads)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065720004-5
CIA-RDP86-00513R00206-5
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CIA-RDP86-00513R00206-5
CIA-RDP86-00513R00206-5
CIA-RDP86-00513R00206-5
CIA-USENKO, L.A., tekhn. red.

> [Mechanization of the repair and maintenance of normal and narrowgauge railroad tracks of industrial enterprises] Mekhanizatsiia remonta i soderzhaniia zhelezodorozhnykh putei normal'noi i uzkoi kolei promyshlennykh prepriiatii. Moskva, Vses. izdatel sko-poligr. ob edinenie M-va putei soobshcheniia, 1962. 63 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.225). (MIRA 15:5)

1. Nachal'nik sluzhby puti zavoda chernoy metallurg im. Dzerzhinskogo (for Belykh). (Railroads, Industrial-Maintenance and repair)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5" PROVED FOR RELEASE: Inursus, September 18 KAYA, R.A. KOTELINIKOVA, A.V.; ZVYAGILISKAYA, R.A.

Adenosinetriphosphatase activity in mitochondria of Endomyces magnusii jeists. Biokhimiia 29 no.4:662-672 Jl-Ag 164. (MIRA 18:6)

1. Institut biokhimii imeni Bakha AN SSSR, Meskva.

ZVYAGIL'SKAYA, R.A.; KOTEL'NIKOVA, A.V.

Study of the exidation of different substrates and coupled phosphorylation in subcellular preparations from Endomyces magnusii yeasts. Biokhimiia 29 no. 1:65-70 Ja-F 164. (MIRA 18:12)

1. Institut biokhimii imeni A.N. Bakha AN SSSR, Moskva. Submitted April 12, 1963. "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065720004-5 CIA-RDP86-00513R002065720004-5

ZVYAGIL'SKAYA, R.A.; KOTEL'NIKOVA, A.V.

Effectiveness of oxidative phosphorylation in yeast mitochondria. Dokl. AN SSSR 164 no.2:448-450 S '65. (MIRA 18:9)

1. Institut biokhimii im. A.N. Bakha AN SSSR. Submitted October 28, 1964.